



ata

MANUAL

**COMPONENT MAINTENANCE
MANUAL WITH IPL**

SCOTTORAMIC® MASK ASSEMBLIES

6849

10100 SERIES

10800 SERIES

35-10-71

T-1

May 6/85

SCOTT®

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*The asterisk indicates pages revised by the current revision..

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INTRODUCTION

This manual establishes the proper maintenance procedures which shall be followed by user maintenance, overhaul and service personnel when performing any type of service on the 6849, 10100 Series or 10800 Series Scottoramic Mask Assemblies described herein.

It is the primary intent of this manual:

- a. To specify proper safety regulations to be followed during performance of service on oxygen equipment used in aviation applications.
- b. To establish proper sequence of operations to be performed on the defined equipment.
- c. To provide the user with the data necessary to properly maintain, check, test and repair the equipment.

The following WARNINGS are presented to inform the user of this manual of the requirements which shall be adhered to when performing service procedures on this equipment. Additional WARNINGS will be found in the procedural steps in the manual.

WARNING: ANY SERVICE OR OVERHAUL PERFORMED ON THIS APPARATUS SHALL BE DONE ONLY BY THOSE FACILITIES EXPERIENCED IN, OR BY PERSONNEL KNOWLEDGEABLE IN AVIATION OXYGEN EQUIPMENT. IF NONE ARE KNOWN, CONTACT SCOTT AVIATION OR ITS DISTRIBUTORS FOR NAMES OF AUTHORIZED SERVICE CENTERS.

WARNING: ALL PROCEDURES DESCRIBED IN THIS MANUAL SHALL BE PERFORMED IN AN AREA FREE OF OIL, GREASE, FLAMMABLE SOLVENTS OR OTHER COMBUSTIBLE MATERIALS. SUCH MATERIALS, AS WELL AS DUST, LINT, AND FINE METAL FILINGS ARE ALL POTENTIAL COMBUSTIBLES WHICH MIGHT, WHEN EXPOSED TO OXYGEN UNDER PRESSURE IGNITE AND RESULT IN AN EXPLOSION AND/OR FIRE.

WARNING: DO NOT ALLOW OIL, GREASE, FLAMMABLE SOLVENTS, OR OTHER COMBUSTIBLE MATERIALS TO COME IN CONTACT WITH PARTS THAT WILL BE EXPOSED TO PRESSURIZED OXYGEN. SUCH MATERIALS, AS WELL AS DUST, LINT, AND FINE METAL FILINGS ARE ALL POTENTIAL COMBUSTIBLES WHICH MIGHT, WHEN EXPOSED TO OXYGEN UNDER PRESSURE, IGNITE AND RESULT IN AN EXPLOSION.

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Verification

Testing and Fault Isolation

May 14, 1984

Disassembly

May 14, 1984

Assembly

May 14, 1984

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SCOTTORAMIC MASK ASSEMBLIES

DESCRIPTION AND OPERATION

1. General

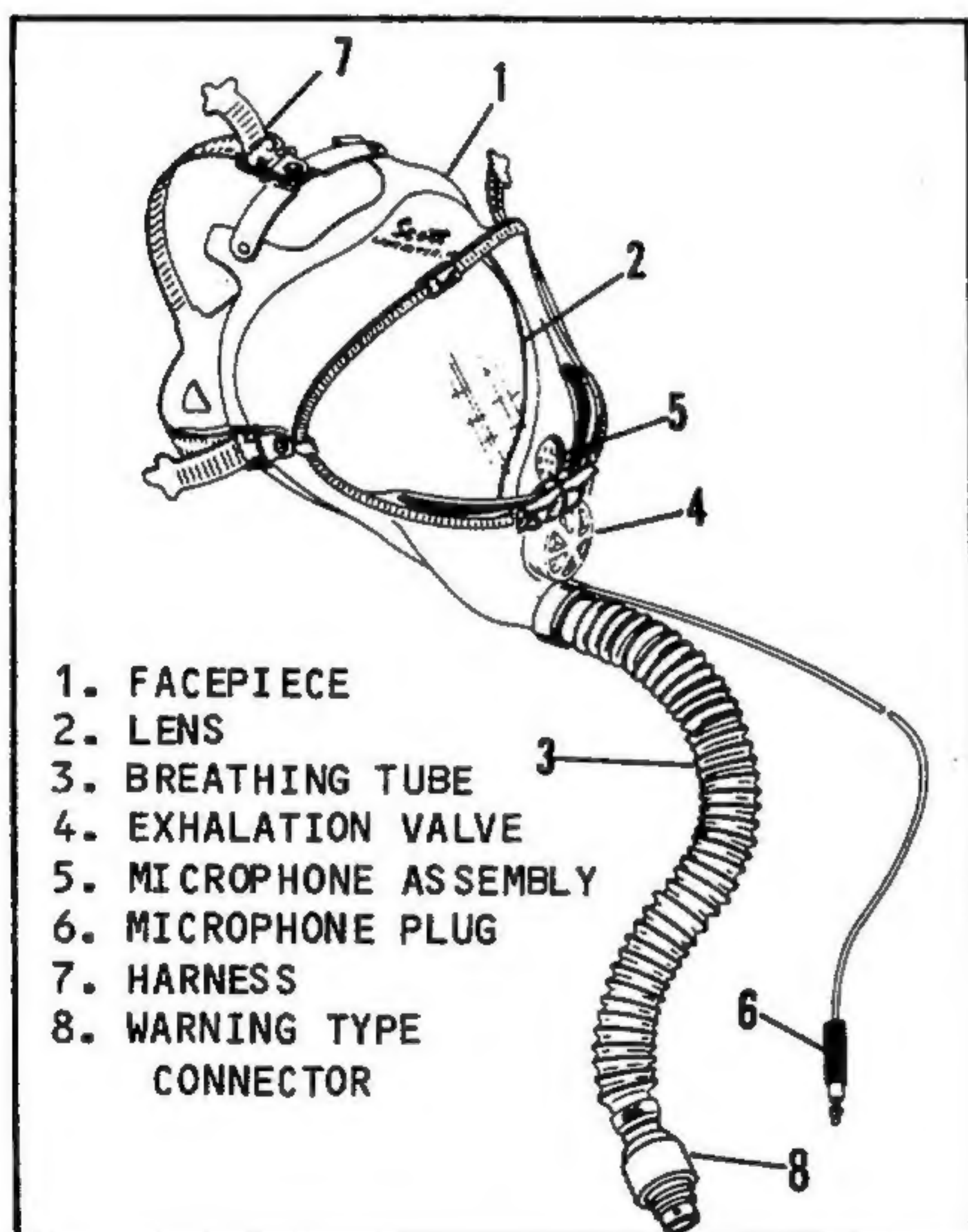
- A. This manual provides overhaul instructions with illustrated parts list for the 10100 Series Demand Scottoramic Mask Assemblies, the 10800 Series Pressure-Demand Scottoramic Mask Assemblies and the 6849 Series Mask Assemblies (see figure 1).
- B. The complete part number of a particular Scottoramic mask assembly is an eight or nine place combination of numbers and letters. A typical part number and the meaning of the various numbers and letters are illustrated in figures 2 through 6.

2. Purpose of Equipment

- A. The mask assemblies are of the demand and pressure-demand type. They enable the wearer to utilize air or oxygen supplied from a suitable source and at the same time obtain unobstructed vision and, on some assemblies, microphone communication.

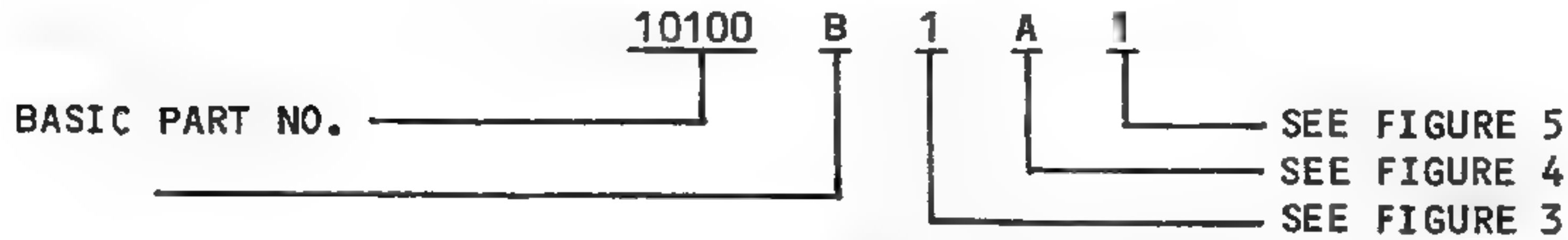
3. Donning Instructions

- A. Place the mask to the face and adjust it so that the lower portion of the facepiece lies under the chin. On the six strap head harness, slip the head harness over the head. Grasp the lower straps of the head harness and pull outward, thus tightening the mask on the face. Tighten the next set of straps and finally the two straps above the forehead. On the three strap head harness, grasp the lower straps and pull outward, then tighten the one strap over the forehead.



Typical 10100 Demand
Scottoramic Mask Assembly
Figure 1

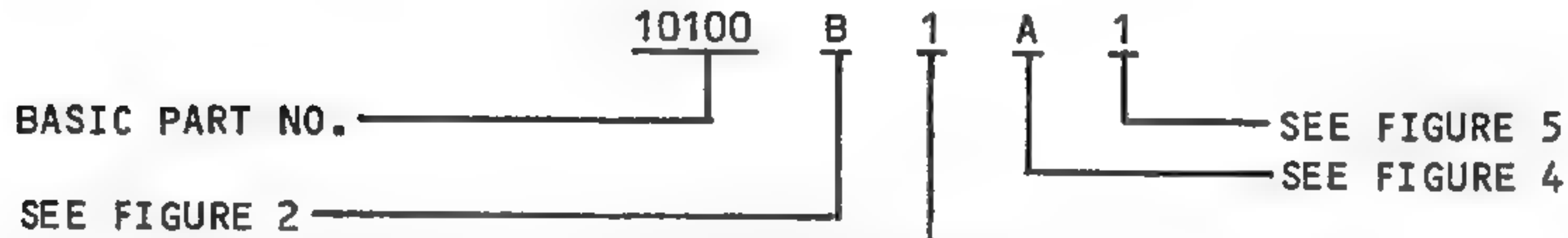
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DESIGNATION	FACEPIECE		MICROPHONE PROVISION
	P/N	HEAD HARNESS	
A	10100AA	3 strap	No
B	10100BB	3 strap	Yes
C	10100CC	6 strap	No
D	10100DD	6 strap	Yes

NOTE: Designations include 10109 Rubber Band, 6249 Sleeve, 10104-7 Exhalation Valve Guard and 10124 Protective Bag.

Mask Facepiece Coding
Figure 2



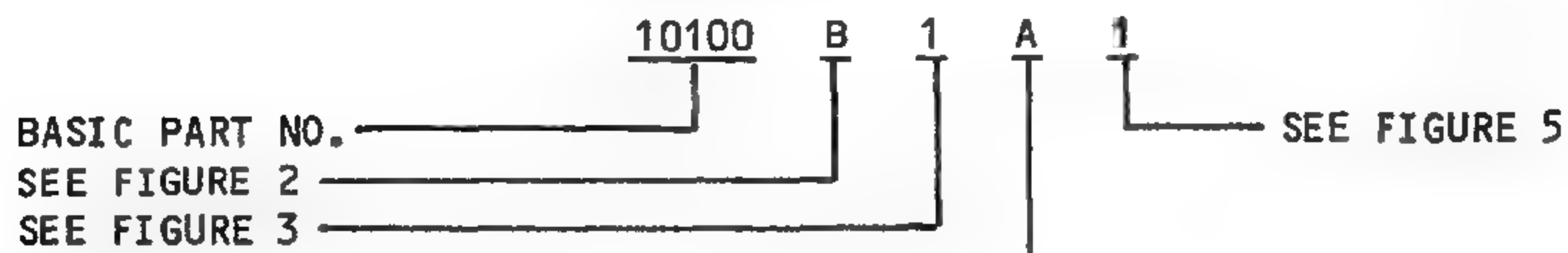
DESIGNATION	BREATHING TUBE		SLEEVE P/N
	P/N	LENGTH (inches)	
Dash (-)	None		
1	28955-01	14	6249-00
2	60062-00	27-1/4	6391-02
3	6242-42	42	6249-00
4 	60062-00	27-1/4	6391-02 & 6249-02
6	6242-48	48	6249-00


 Includes 6207-00 Spring


Breathing Tube Coding
Figure 3

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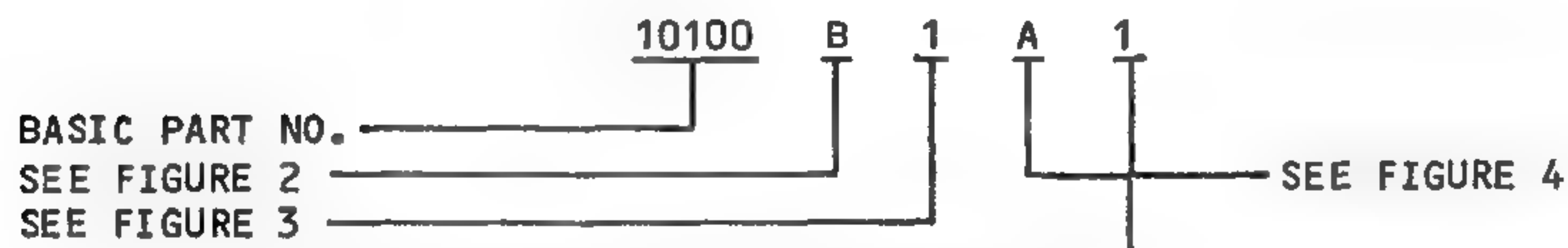
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DESIGNATION	CONNECTOR P/N	CLAMP P/N
X	None	
A	6210-00	8141-00
B	13822-00 	8141-00
C	6210-01	8141-00
F	7025-00	8141-00

 Similar to 55B3509 Connection Assembly.

Connector Coding
Figure 4

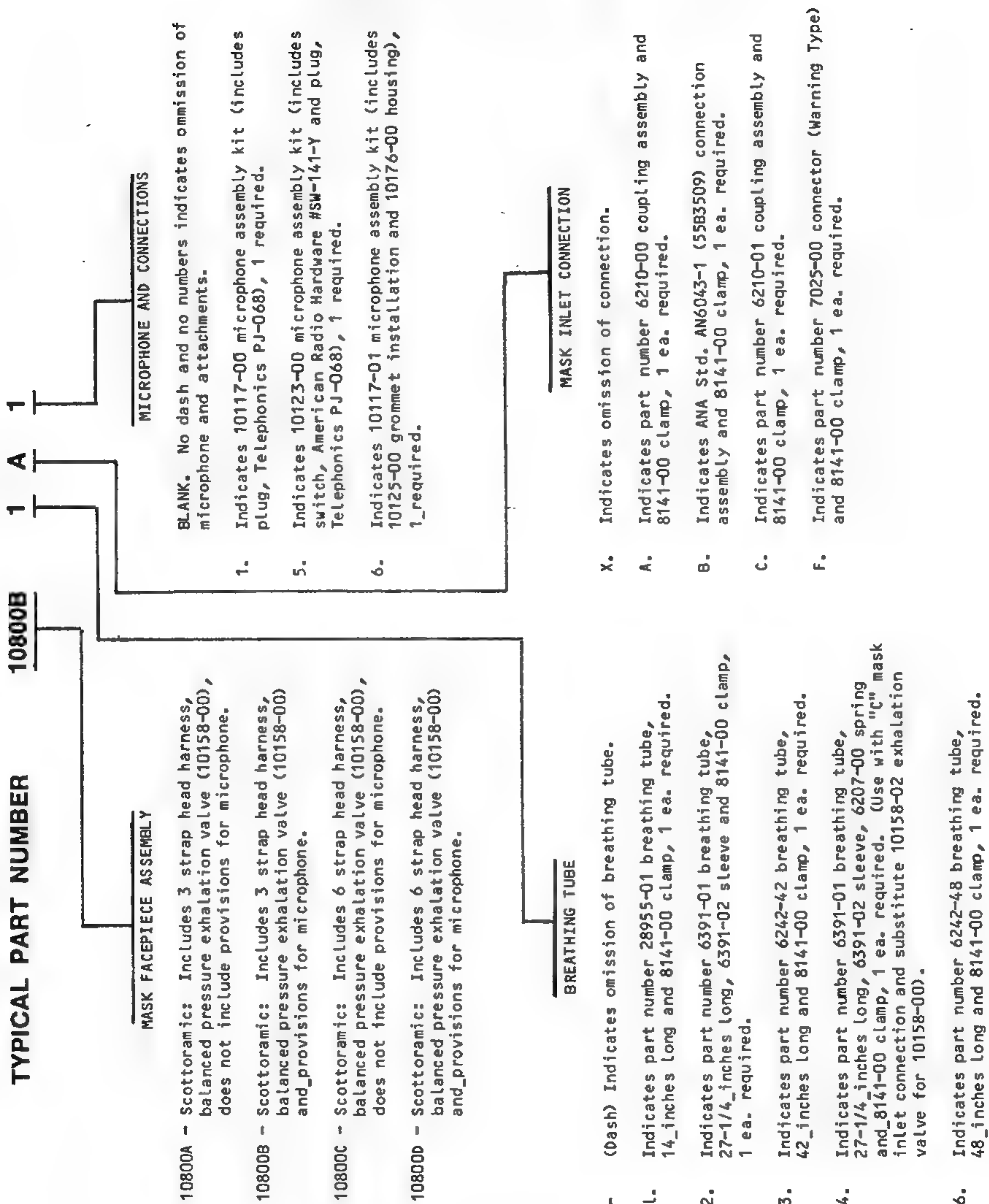


DESIGNATION	MICROPHONE KIT P/N	BUSHING INSTALLATION	RIVET P/N	MICROPHONE HOUSING
Blank (No Number)	None	None	None	None
1	10117-00	None	None	None
5	10123-00	None	None	None
6	10117-01	None	None	None

Microphone Coding
Figure 5

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10800 Part Number Coding
Figure 6

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The straps must be tightened sufficiently to obtain the best possible seal at the edges of the mask. Test for leakage by holding one hand over the end of the breathing tube and attempting to inhale slowly. The suction due to inhalation should cause the mask to partially collapse. If the mask does not tend to collapse, leaks are present. Readjust head harness as required. After eliminating leakage, insert the breathing tube into a suitable regulated source of air or oxygen and the assembly is in use.

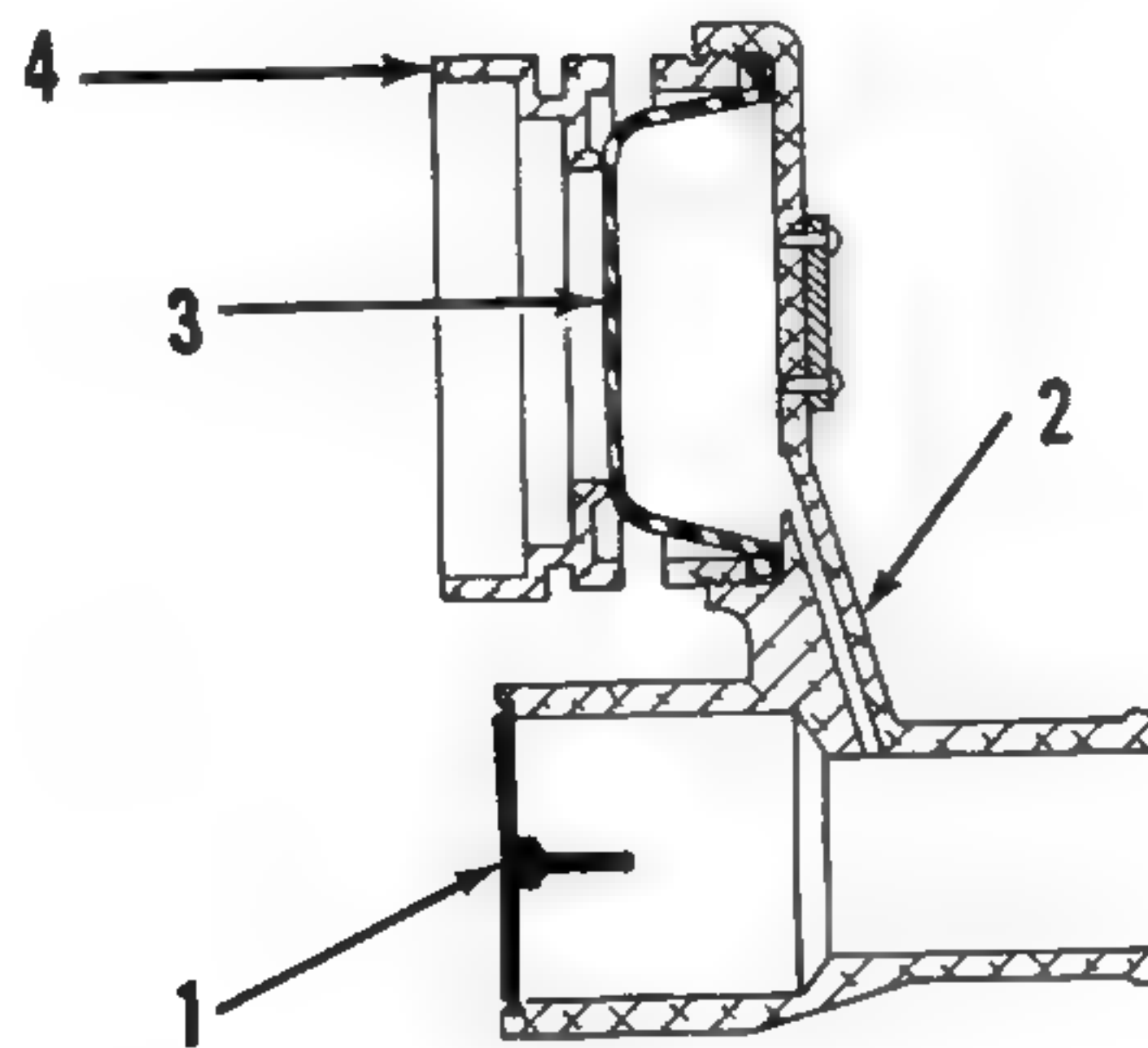
NOTE: Some assemblies have warning-type inlet connectors. These serve to restrict flow into the breathing tube until the connector is plugged into a suitable adapter in an air or oxygen system.

4. Operation (see figure 1)

- A. A typical mask assembly consists of a molded rubber facepiece (1) containing a large lens (2), a breathing tube (3) for connection to a regulated air or oxygen source, an exhalation valve (4), a microphone assembly (5) with a suitable plug connection (6), and a harness (7) for fastening the mask on the face. Air or oxygen, supplied on demand due to inhalation, travels through the breathing tube into the mask. Exhaled gas leaves the mask through the exhalation valve. The microphone becomes operative when the plug on the microphone cord is inserted in a suitable receptacle in a communications system.
- B. A warning-type connector (8), provided on some assemblies, consists of a flow restrictor which is activated when the connector is removed from its mating adapter in an air or oxygen system. When properly installed in an adapter, the warning-type connector allows unrestricted flow. If connection to the air or oxygen source is interrupted, flow to the mask will be restricted.
- C. Connector (33, IPL figure 2) contains an exhalation check valve and bailout bottle connection.
- D. The pressure-demand exhalation valve assembly (see figure 7), installed on the pressure-demand mask assemblies, automatically compensates for positive breathing pressure to prevent oxygen from bleeding through the mask assembly. It operates in the following manner: On inhalation, the pressure in the mask assembly is reduced. This allows check valve (1) to open and oxygen to flow into the mask for inhalation. The oxygen also flows through a passageway in exhalation valve retainer (2) and

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acts on one side of diaphragm (3). This pressure seals diaphragm (3) against adapter (4) to prevent oxygen flow out of the mask. At exhalation, pressure in the mask must build up to a high enough level to overcome the pressure maintaining the diaphragm in the closed position. When the pressure raises sufficiently, diaphragm (3) is unseated and exhaled gas leaves the mask. The high mask pressure also seats check valve (1) to prevent oxygen flow into the mask during exhalation. The next inhalation causes the cycle of operation described above to repeat. Some assemblies contain a check valve to limit the positive pressure required for exhalation.



PART NUMBER 10158-00

- | | |
|------------------------------|--------------|
| 1. CHECK VALVE | 3. DIAPHRAGM |
| 2. EXHALATION VALVE RETAINER | 4. ADAPTER |

Balanced Pressure Exhalation Valve
Figure 7



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TESTING AND FAULT ISOLATION

1. Testing

- A. Install the mask assembly on the person and properly adjust the harness. Test for leakage by holding one hand over the end of the breathing tube and attempting to inhale slowly. The act of inhalation shall cause the mask to partially collapse due to the suction caused by inhalation. If the mask allows inhalation, even with high resistance, leaks are present in the mask assembly.

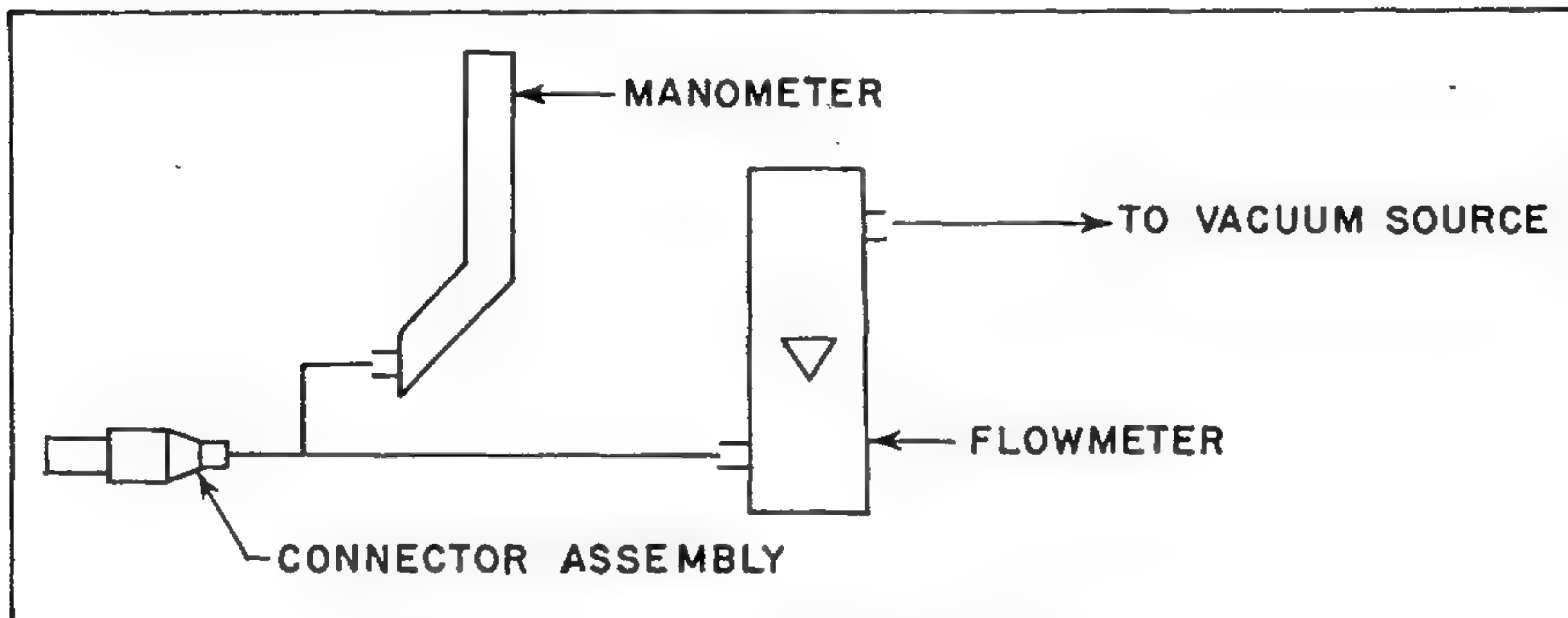
NOTE: If a warning-type connector is installed on the assembly, a high resistance to inhalation should be noted.

- B. Connect the breathing tube to a suitable regulated source of air or oxygen. Breathing should be free of any resistance to inhalation or exhalation.
- C. Plug the microphone plug into a suitable receptacle in a communication system and check for proper operation of the microphone.
- D. Install warning-type connector Part No. 7025-00 in test setup per figure 101. Connect mask end of connector to test setup and test as follows.
- (1) Adjust vacuum source until flowmeter indicates 15 liters per minute.
 - (2) Manometer shall indicate negative pressure of 4 to 6 in. of water.
 - (3) Adjust to meet the requirements of step 2 by moving the plain surface of support (6, IPL figure 6) above or below neutral, a maximum of 1/8 in. as necessary to vary the tension of spring (7).
 - (4) Insert the connector into a jig whose internal dimensions parallel the internal dimensions of the connector (see figure 102).
 - (5) Close the outer end of the connector and the jig. Apply a pressure of 1 psi into the connector through one of the above closures. Apply a 2 lb. force tending to pull the connector from the jig. Leakage should not exceed 0.01 LPM.
 - (6) Check unit to ensure disconnect force along longitudinal axis of connector and jig is 15 lbs. \pm 3 lbs.

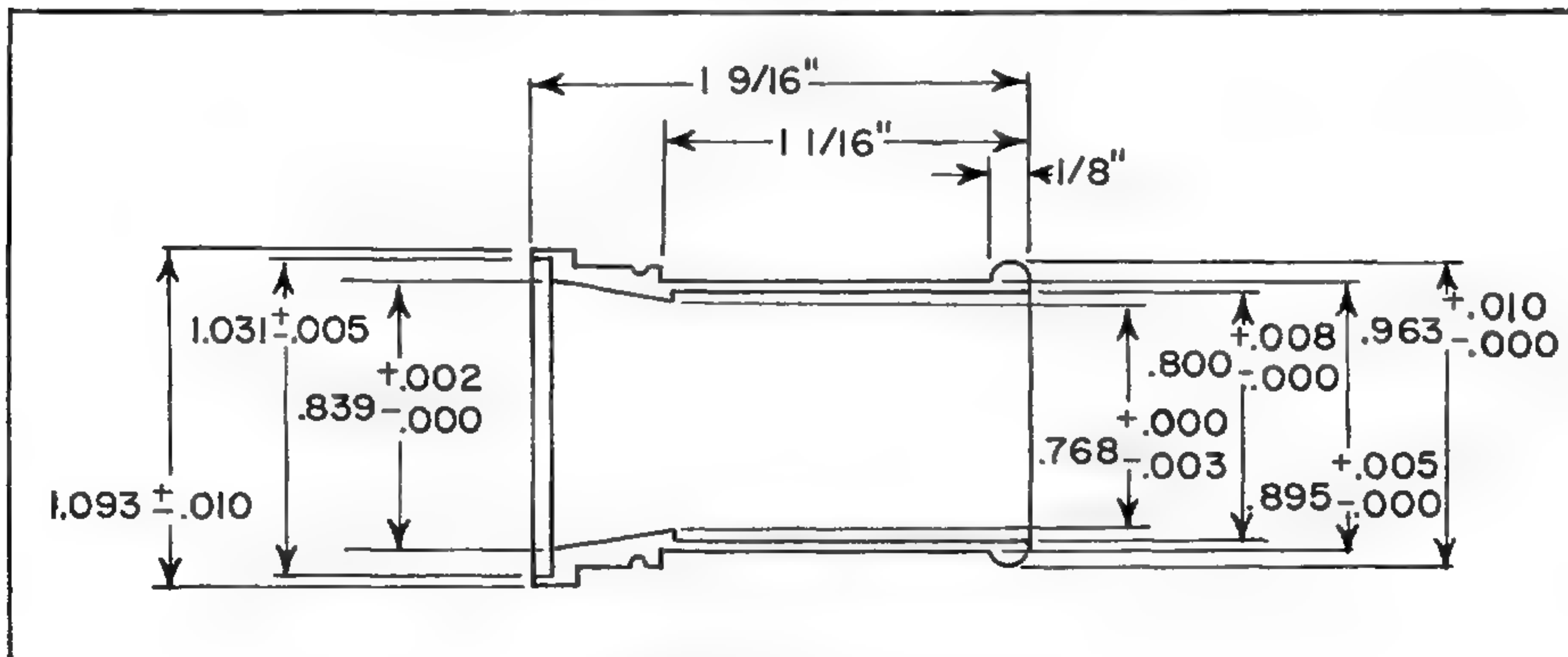
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- E. Connect the breathing tube to a demand regulator supplying air or oxygen. Breathing should be free of noticeable resistance to inhalation and exhalation. With positive inlet oxygen pressure, note an increase in exhalation pressure. Oxygen must not enter the mask facepiece during exhalation.



Connector Assembly Flow Test Setup
Figure 101



Test Jig
Figure 102

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2. Fault Isolation

- A. See figure 103 for a chart containing troubles, probable causes and remedies.

TROUBLE	PROBABLE CAUSE	REMEDY
Mask assembly leak	Faulty tube (14 or 16, IPL figure 2) connections	Tighten tie (21, IPL figure 2) or clamp (40) or clamp (6, IPL figure 1)
	Valve (19, IPL figure 3) not properly seated in mask facepiece (45)	Seat valve and check for freedom of motion
	Exhalation valve (19) is faulty in operation, worn or damaged	Replace exhalation valve
	Frame assembly (23) not tight	Remove and reassemble per instructions in Disassembly, paragraph 3 and Assembly, paragraph 6
	Broken or cracked lens (30)	Replace lens
	Insufficiently tightened bushings (20 and 22, IPL figure 7)	Tighten bushings
	Faulty gaskets (24 or 27)	Replace gaskets
	Damaged mask facepiece (45, IPL figure 3)	Replace facepiece
	Head Harness (13 or 14) not properly adjusted	Readjust harness

Trouble Shooting Chart (Sheet 1 of 3)
Figure 103

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TROUBLE	PROBABLE CAUSE	REMEDY
Mask assembly leak (Continued)	Loose bushing (20 and 22, IPL figure 7)	Tighten bushings
	Elongated or torn rivet holes in mask facepiece (45, IPL figure 3)	Replace mask facepiece
Mask cannot be properly adjusted to face to prevent leakage	Worn or damaged head harness assembly (13 or 14, IPL figure 3)	Replace head harness
	Worn or damaged buckle and clip assemblies (39 or 41) on mask facepiece or harness	Replace worn or damaged buckle and clip assemblies
Excessive resistance offered by warning-type connector assembly	Weak or bent spring (7, IPL figure 6) or damaged or out of adjustment support (6)	Replace spring (7, IPL figure 6) or support (6) or adjust support (6) per Testing, paragraph 1.D (3) or replace connector
Microphone assembly inoperative	Switch (48, IPL figure 7) not actuated or faulty	Actuate or replace switch
	Plug (33 or 45) not properly mated with receptacle	Mate plug properly
	Defective wiring	Inspect wiring for secure connections and electrical continuity, replacing parts if necessary

Trouble Shooting Chart (Sheet 2 of 3)
Figure 103



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TROUBLE	PROBABLE CAUSE	REMEDY
Microphone assembly inoperative (Continued)	Faulty plug (33 or 45)	Replace plug
	Incorrect wiring connections	Inspect for proper wiring connections and correct per wiring diagram (figure 701)
	Faulty microphone (43 or 72)	Replace faulty microphone
Oxygen leaks through mask during positive pressure operation	Inhalation check valve is not seating properly	Replace check valve
	Diaphragm not seated or defective	Seat properly or replace

Trouble Shooting Chart (Sheet 3 of 3)
Figure 103

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DISASSEMBLY (SEE IPL FIGURES 1 THROUGH 8)

NOTE: Prior to disassembling a mask assembly, determine the part number using figures 2 through 6. Refer to the "EFFECT CODE" column of the Illustrated Parts List for the parts applicable to the part number mask assembly being disassembled. Disregard instructions concerning parts that are not used on the mask assembly being disassembled.

1. Disassembly of the 6849 series Mask Assemblies (see IPL figure 1).

- A. Remove tag (5) from mask assembly (7).
- B. Remove clamp (6) from mask assembly (7).

NOTE: Further disassembly of the 6849 series Mask Assemblies is identical to disassembly of the 10100 series. Refer to step 2 below.

2. Disassemble the 10100 series Mask Assemblies as follows:
(see IPL figure 2).

- A. Slide band (25) off mask facepiece subassembly (2).
- B. Remove tape (20) and tie (21).
- C. Force a blunt tool between mask facepiece subassembly (2) and tube (14 or 16) to break the seal, using extreme care to avoid tearing the mask. Slide breathing tube (14 or 16) out of the mask facepiece.
- D. Force a blunt tool between sleeve (26) and breathing tube (14 or 16) to break the seal and pull sleeve (26) and spring (24) out of the breathing tube.
- E. Spread the rubber surrounding exhalation valve guard (28) and pull the guard out of mask facepiece subassembly (2).
- F. Remove clamp (40) and remove coupling assembly (29) or connector (33) from breathing tube (14 or 16).

3. Disassemble the mask facepiece subassemblies as follows:
(see IPL figure 3).

- A. Pull exhalation valve (19) out of mask facepiece (45).
- B. Remove harness (13 or 14). Carefully drill out rivets (43) on assemblies having forehead bridge (44).

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- C. Snap off clip (24) and unthread screw (23A). Cut connector (25) and wires. Spread frame assembly (23) and remove frame from mask.
- D. Remove fillers (29 and 29A) from mask.
- E. Spread rubber surrounding lens (30) and pull lens out of mask facepiece (45).

If it is necessary to remove buckle and clip assemblies (39 or 40) or buckle and dee ring assembly (41), withdraw harness straps from buckles and carefully drill out rivets.

Drill out rivets (43) to remove buckle and clip assembly (39) from forehead bridge (45). Drill out rivets (42) to remove buckle clip and dee ring assembly (41).

- 4. Disassemble the 60062-00, 6242-42 and 6242-48 Breathing Tube Assemblies as follows: (see IPL figure 4).
 - A. Insert a blunt tool between sleeve (4) and tube (6) and remove sleeve (4).
 - B. Sleeve (5) is cemented to the breathing tube. Insert a blunt tool to break the seal and remove sleeve (5) from tube (6), if tube is damaged.
- 5. Disassemble the 6210 Series Coupling Assemblies as follows: (see IPL figure 5).
 - A. Remove ring (6) from nipple (10 or 11).
 - B. Slide nut (4) and packing (8) from nipple (10 or 11). Nipple (11) contains pin (9), used to anchor spring (24, IPL figure 2). Do not remove pin (9, IPL figure 5).
- 6. Disassemble the 7025 Warning-Type Connector as follows: (see IPL figure 6).
 - A. Unscrew adapter (4) from body (11).
 - B. Remove support (6), spring (7) and fastener (8) from restrictor (9).
 - C. Turn actuator (10) one quarter turn and remove it from adapter (4).
 - D. Remove packing (5), ring (2) and gasket (3) from adapter (4).

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7. Remove the microphone assemblies from masks and disassemble as follows: (see IPL figure 7).
 - A. Loosen bushings (20 and 22) and remove housing (16) from inside of facepiece.
 - B. Remove microphone (43 or 72) from housing (16).
 - C. Detach microphone (43) from cable (38), or detach microphone (72) from wire (55) and wire (52).
 - D. Detach plug (33) from cable (38) and remove cable (38) from facepiece.
 - E. If required, remove terminals (40 or 41) from cable (38).
 - F. Unthread cap (48B) from housing (48A) and slide it away from the housing. Remove the nut and lock washer supplied with switch (48) and slide housing (48A) off the microphone wires. Disconnect terminals (66) from switch (48) and remove housing (48A) and cap (48B) from the microphone wires.
 - G. If required, remove terminals (66) from wires (52 and 55).
 - H. Disassemble and remove bushings (20 and 22) from facepiece.
 - J. Remove gaskets (24) from bushing (20) and gasket (27) from facepiece.

8. Microphone Assembly Kit.

- A. The microphone assembly kits vary according to the type of plug-in, switch and cable lengths. Refer to wiring diagram, figure 701. Disassemble as indicated.

9. 10800 Series Mask Assemblies (see IPL figure 8).

NOTE: The instructions listed below outline partial disassembly of mask assemblies. Refer to preceding steps for disassembly of 10100 masks.

- A. Remove the exhalation valve assembly from the mask facepiece assembly and disassemble the exhalation valve as follows:
 - (1) Slide band (13) away from the inlet of the mask facepiece.
 - (2) Remove tape (14) and tie (15).
 - (3) Remove clamp (16).

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- (4) Remove the exhalation valve assembly from the mask facepiece subassembly (45).
- (5) Unscrew and remove adapter (21). Take out exhalation valve (44), washer (22) and diaphragm (23).
- (6) Remove valve (28) from retainer subassembly (34). Removal of metalcal (29) is not normally required.
- (7) Complete disassembly by referring to the instructions covering the particular 10100 Series mask being disassembled.



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CLEANING

WARNING: DO NOT ALLOW OIL, GREASE, FLAMMABLE SOLVENTS, OR OTHER COMBUSTIBLE MATERIALS TO COME IN CONTACT WITH PARTS THAT WILL BE EXPOSED TO PRESSURIZED OXYGEN. SUCH MATERIALS, AS WELL AS DUST, LINT AND FINE METAL FILINGS ARE ALL POTENTIAL COMBUSTIBLES WHICH MIGHT, WHEN EXPOSED TO OXYGEN UNDER PRESSURE, IGNITE AND RESULT IN AN EXPLOSION.

1. Remove dirt and foreign particles from various components by wiping with a lint-free cloth or by blowing with clean oil-free air or nitrogen. Metal parts which have become contaminated with grease, should be dipped in a container of clean 1, 1, 1 trichloroethane.
2. Clean and disinfect mask facepiece assemblies as follows. Wash with mild soap solution and rinse with clean water. Then swab thoroughly with a gauze pad or sponge soaked in a water solution of merthiolate (1 gram merthiolate to 1000 cc water). Spray all crevices to ensure complete sterilization. Wipe with a clean cloth and air dry.

NOTE: Using the materials listed in Table 401, perform the cleaning procedures outlined in the preceding paragraphs; equivalent materials may be used.

MATERIAL	DESCRIPTION	MANUFACTURER*	REFER TO PARAGRAPH
1,1,1 Trichloroethane (Stabilized)	MIL-T-81533 Fed Spec O-T-620	V71984	1
Merthiolate	Disinfectant	Local Vendor	2
*Refer to Illustrated Parts List, paragraph 1.C for Vendor Code.			

List of Cleaning Materials
Table 401

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CHECK

1. Carefully inspect all metal parts for cracks, nicks or burrs.
2. Inspect all wiring for frayed insulation and for secure connections.
3. Inspect mask and breathing tube for leaks, cuts and holes.
4. Inspect the mask facepiece assembly for proper attachment of buckles, and for rips and tears.
5. Inspect all components for any condition which might render them unserviceable.

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REPAIR

1. Repair of parts is not recommended. Replace all worn or damaged parts.
2. Replace all preformed packings.

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ASSEMBLY (see IPL figures 1 through 8)

NOTE: Prior to assembling a mask assembly, determine the part number using figures 2 through 6. Refer to the "EFFECT CODE" column of the Illustrated Parts List for the parts applicable to the part number mask assembly being reassembled. Disregard instructions considering parts that are not used on the mask assembly being reassembled.

NOTE: Table 701 lists the consumable materials for assembly. Equivalent materials may be used.

MATERIAL	DESCRIPTION	MANUFACTURER*	REFER TO PARAGRAPH
Cement	Vulcalock	V25472	5.A
*Refer to Illustrated Parts List, paragraph 1.C for Vendor Code.			

List of Consumable Material for Assembly
Table 701

1. 10800 Series Mask Assemblies (see IPL figure 8).

NOTE: The instructions listed below outline a partial assembly of the 10800 Series mask assemblies.

A. Assembly of the exhalation valve assembly.

- (1) Wet the stem of valve (28) and press the stem through the center opening in spider of retainer subassembly (34) until the valve seats properly.
- (2) Place diaphragm (23) and washer (22) in retainer subassembly (34) and screw adapter (21) into the retainer to complete assembly.
- (3) Install metalcal (29), if required.

B. Assembly of the exhalation valve assembly to the mask facepiece.

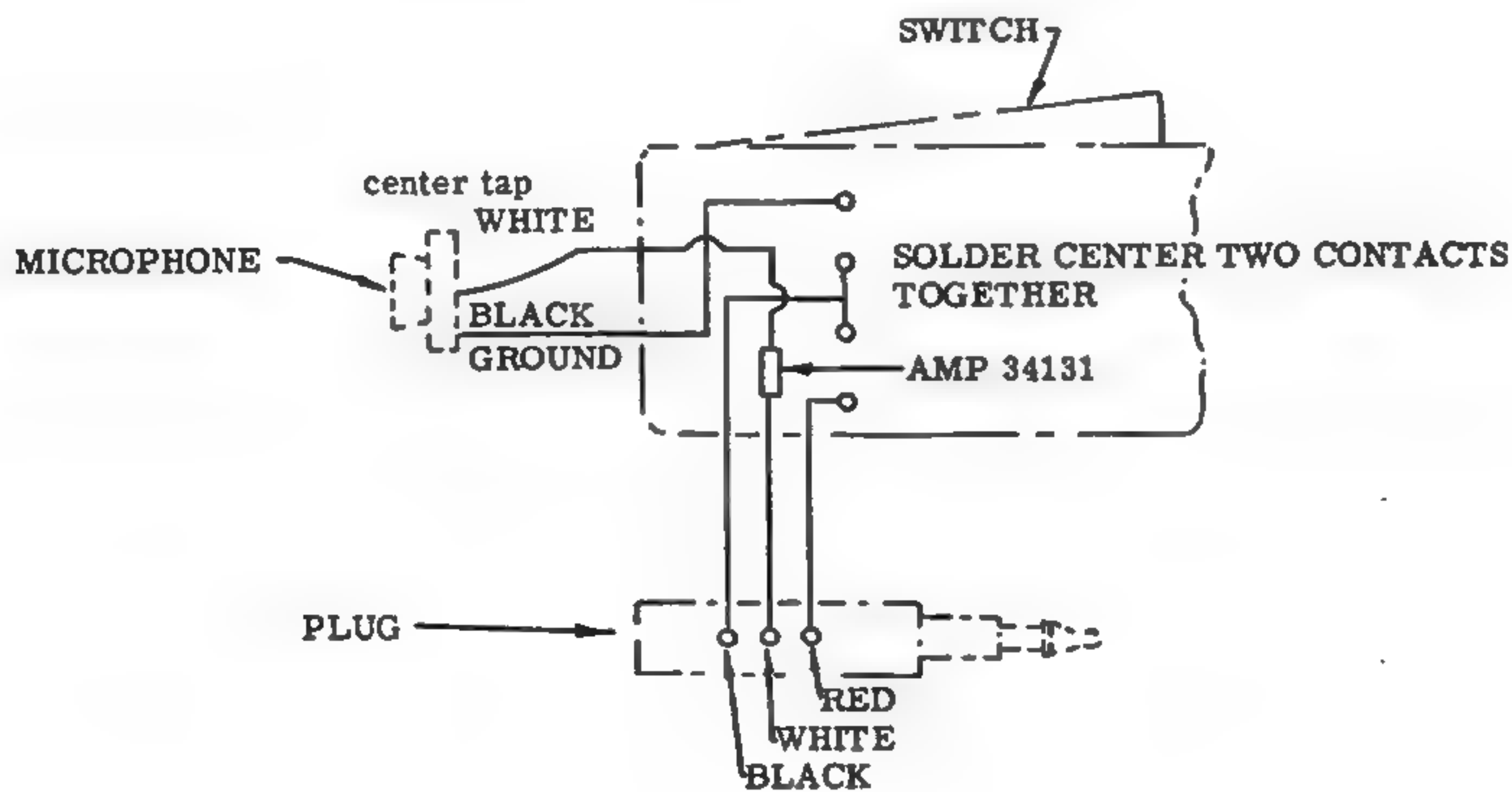
- (1) Slide band (13) onto retainer subassembly and slide the retainer into the mask inlet. Spread the rubber around the exhalation valve opening in the facepiece and snap adapter (21) into the facepiece.

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- (2) Install clamp (16) over the exhalation valve adapter.
 - (3) Wrap tie (15) around the mask inlet, pull it tight, twist the ends together and bend the ends back. Wrap tape (14) around the wire and pull band (13) over the tape.
 - (4) Insert valve (44) in mask facepiece subassembly (45) using the same procedure as in step 1.A (1) above.
- C. Complete assembly by using the instructions for the proper 10100 mask assembly as noted in the following steps.
2. Microphone assembly kits (see IPL figure 7). Assemble the applicable microphone assembly kit, except do not connect the cables from microphones (43 or 72) to the switch or plug at this time. Wiring diagram, figure 701, illustrates the wiring for the 10123-00 kit. The 10117-00 and 10117-01 kits use a two conductor cable from the microphone to a plug. In all cases, the white conductor is connected to the center tap. The cables and terminals are color coded for easy connection. Assemble microphones into mask as follows (see IPL figure 7).
- A. Place gaskets (24) into bushing (20). Install bushing (22) through hole provided on right cheek of facepiece from inside. Start outside bushing on threads of inside bushing but do not tighten. Slide gasket (27) onto microphone cable so that when cable is installed, gasket (27) will be placed between inside bushing and microphone.
 - B. Connect wire (55) to microphone (72) or, connect cable (38) to microphone (43). See figure 701 for wiring diagram.
 - C. If terminals (40, 41 or 66, IPL figure 7), were removed previously, install new ones at this time.
 - D. Thread cable (38) or wire (55) through bushings previously installed in the mask facepiece. Connect cable (38) to plug (33). Slide cap (48B) and housing (48A) over wires (52 and 55). Slide the cap and housing far enough down wires (52 and 55) to allow for reconnection of switch (48). After connecting wires (52 and 55) to switch (48), thread cap (48B) and switch (48) into housing (48A). If previously removed, connect wire (52) to plug (45).
 - E. Press microphone (43 or 72) into housing (16) then install microphone housing on inside of mask facepiece. Pull slack out of cable in mask and tighten bushings (20 and 22).

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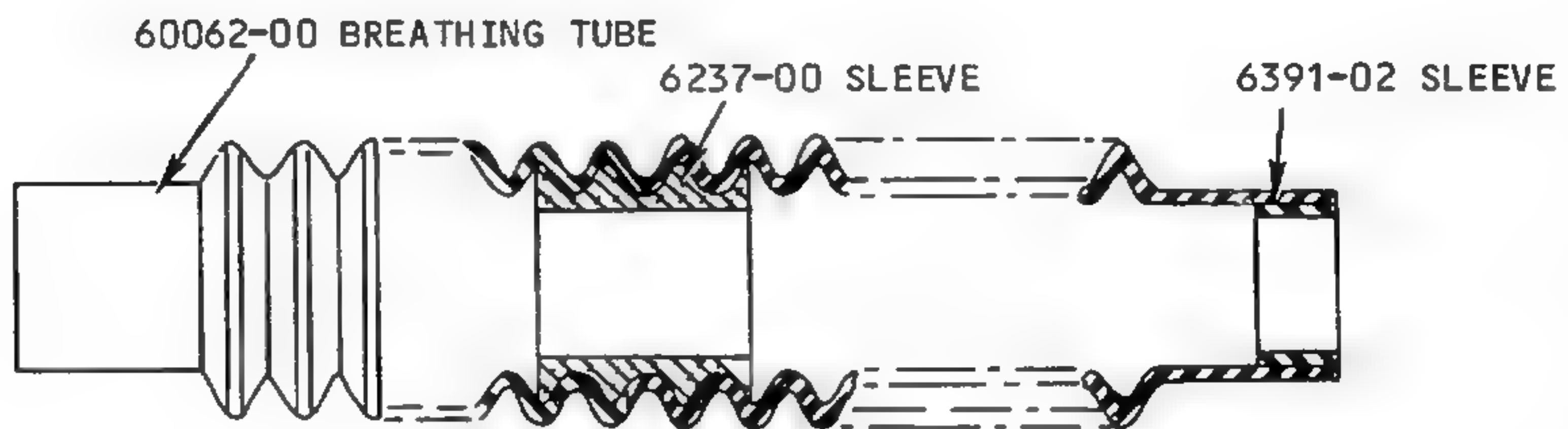
3. Assemble the 7025 Warning-Type Connector as follows:
(see IPL figure 6)
 - A. Install spring (7) and support (6) on restrictor (9).
 - B. Install assembled restrictor, support end first, into body (11).
 - C. Insert actuator (10) through slot in adapter (4) and turn one quarter turn.
 - D. Install packing (5) on adapter (4), then install adapter (4) into body (11), making sure that end of restrictor (9) passes through center of actuator (10).
 - E. Tighten adapter (4) into body (11) and install fastener (8).
 - F. Install gasket (3) and ring (2).



Wiring Diagram for Microphone Assembly Kit 10123-00
Figure 701

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4. Assemble the 6210 Coupling Assemblies as follows: (see IPL figure 5).
 - A. Install pin (9) into nipple (11), if required.
 - B. Install packing (8), nut (4) and ring (6) on nipple (10 or 11).
5. Assemble the 60062, 6242-42 and 6242-48 Breathing Tube Assemblies as follows: (see IPL figure 4).
 - A. Apply Vulcalok Cement or an equivalent, to sleeve (5) and insert in tube (6).
 - B. Insert sleeve (4) in end of tube (6). See figure 702 for method of joining sleeves and tubes.



Cut breathing tube ends at bottom of convolution, to length required and assemble with tubes cemented to sleeve, using Vulcalock cement.

Method of Joining Breathing Tubes
Figure 702



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6. Assemble mask facepiece subassemblies as follows: (see IPL figure 3).
 - A. If previously removed, install buckle assembly (39) to forehead bridge (44) with rivets (43). Install buckle and clip assemblies (40) with rivets (42) and insert straps of three strap head harness (13) through buckles. On six strap assemblies, assemble buckle with dee ring assembly (41) and buckle and clip assembly (39) to mask facepiece (45) with rivets (42 and 43). Insert strap of six strap head harness (14) through buckles.
 - B. Place lens (30) in the retaining groove of mask facepiece (45) and temporarily hold it in place with four pieces of plastic tape. Make sure lens center line is on center line of mask. Press fillers (29 and 29A) over lens retaining groove at top and bottom center line of mask. Wet edges of mask and frame assembly with water. Place frame assembly (23), with short leg toward the mask, around the outside of the lens retaining groove, taking care to straddle the edges of the lens and mask evenly. Bend wire ends back over connectors (25) if they were removed. Replace clip (24) and thread screw (23A) into frame assembly (23) fitting until tight.
 - C. If previously removed, install bridge (44) and attach harness (13) on mask facepiece (45) or attach harness (14) on mask facepiece (45).
 - D. Wet the stem of valve (19) and insert it through the opening in the mask. Press on the valve to force the stem into the mask. When the stem is sufficiently inserted, grasp it from inside the mask and pull on the stem until the valve seats.
7. Complete assembly of mask assemblies as follows: (see IPL figure 2).
 - A. Secure inlet coupling assembly (29) or connector (33) on end of breathing tube (14) with clamp (40).
 - B. Insert guard (28) into mask facepiece subassembly (2).
 - C. Insert sleeve (26) and spring (24) into tube (14), then insert tube (14) into mask facepiece subassembly (2).
 - D. Wrap tie (21) around breathing tube and mask connection; pull tie tight, twist the ends together and bend the ends back. Wrap tape (20) around tie (21) and pull band (25) over tape (20), (see figure 703).

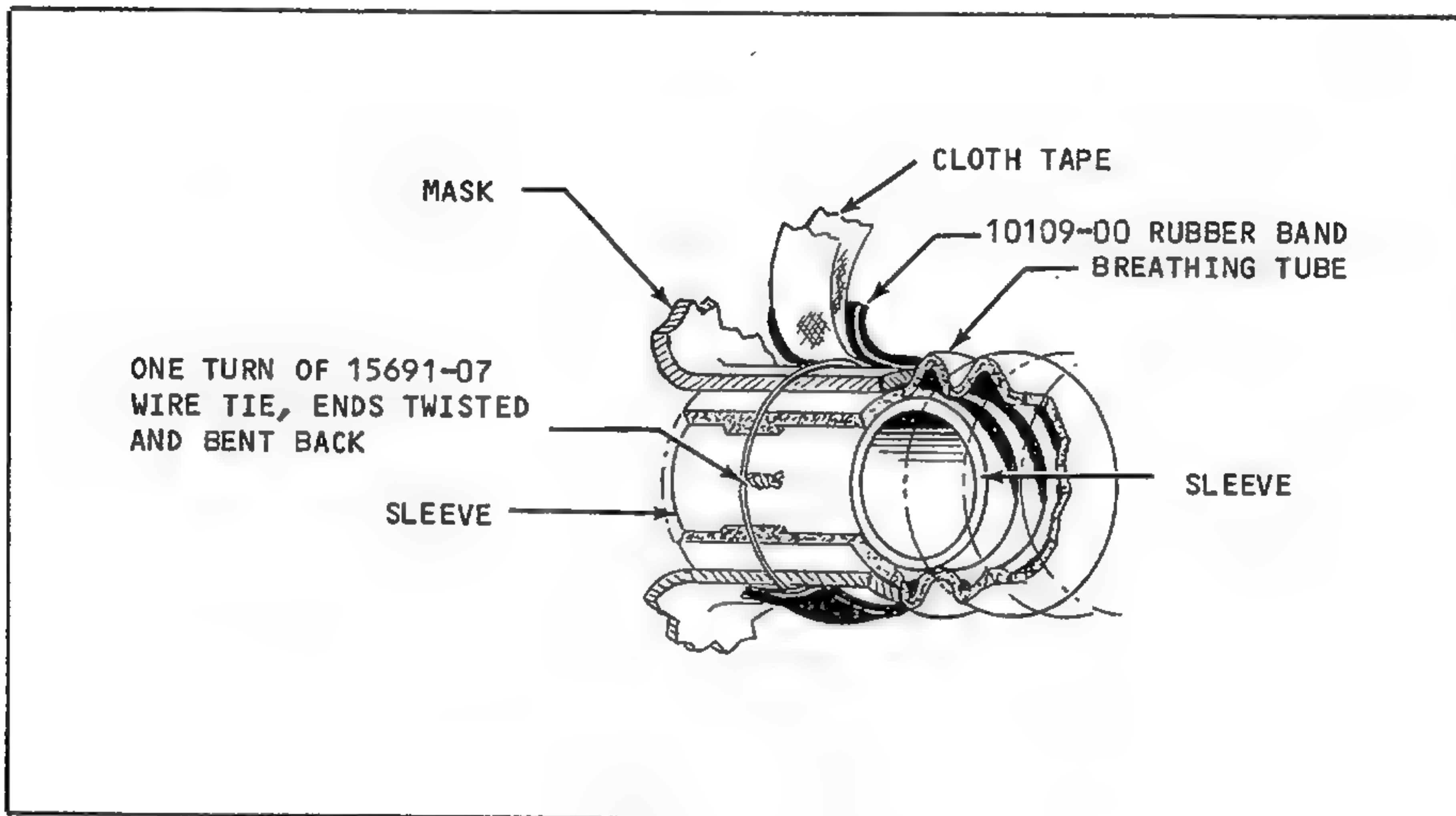
NOTE: Microphone assembly kit (42) was previously installed in paragraph 2 above.

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8. Assemble the 6849 Series Mask Assembly as follows: (see IPL figure 1).

NOTE: Assembly of the 6849 Series Mask Assembly is identical to assembly of the 10100 Series Mask Assembly except for the following steps:

- A. Install clamp (6) on mask assembly (7).
B. Attach tag (5) at place indicated on mask assembly (7).



A Typical Connection Between Breathing Tube and Mask
Figure 703

9. Storage Instructions

- A. Enclose the mask assembly in a protective bag after assembly. This acts to keep the assembly clean and protects the lens.

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FITS AND CLEARANCES

1. None.

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SPECIAL TOOLS, FIXTURES AND TEST EQUIPMENT

1. None.

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ILLUSTRATED PARTS LIST

1. This Illustrated Parts List covers the 10100 and 10800 Series Scottoramic Mask Assemblies and the 6849 Series Mask Assemblies.
 - A. The Illustrated Parts List consists of parts listings and completely indexed exploded view drawings. Each assembly listed is followed immediately by its component parts, properly indented thereunder, to show their relationship to the assembly.
 - B. The quantities listed in the "UNITS PER ASSY" column are the total quantity used per mask assembly at the locations indicated.
 - C. The part numbers listed in the "PART NUMBER" column are Scott Aviation part numbers except standard parts which are listed by "MS" numbers, and vendor items which are listed by vendor part number. The following list contains the code, and name and address of vendors supplying items for the mask assembly.

VENDOR'S CODE

<u>CODE</u>	<u>VENDOR'S NAME AND ADDRESS</u>
V00779	AMP, INC. Harrisburg, Pennsylvania
V25184	Precision Rubber Products Corp. Lebanon, Tennessee
V25472	B.F. Goodrich Co. Akron, Ohio
V73957	Groov-Pin Corp. Ridgefield, New Jersey
V77147	Patton-MacGuyer Co. Div. of Avid Corp. Providence, Rhode Island
V78553	Eaton Corp. Engineered Fasteners Div. Cleveland, Ohio
V78711	Telephonics, Subsidiary of Instrument Systems Corp. Huntington, New York
V79136	Waldes Kohinoor, Inc. Long Island City, New York

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VENDOR'S CODE (Continued)

<u>CODE</u>	<u>VENDOR'S NAME AND ADDRESS</u>
V81640	Eaton Corp. Aerospace Controls/Systems Div. Sarasota, Florida
V92194	Alpha Wire Corp. Elizabeth, New Jersey

D. Effectivity codes have been assigned, where applicable, preceding the IPL figures.

E. A Numerical Index has been provided at the beginning of the Parts List. Part numbers have been arranged in accordance with Specification ATA 100.

2. How to use this Illustrated Parts List

A. If neither the part number nor the nomenclature is known, the part can be found by comparison with the exploded view illustration. When located on the illustration, the index number will refer to the line in the Illustrated Parts List with the part number and the nomenclature.

B. When the part number is known, refer to the Numerical Index and find the part number. Opposite the part number is the figure and index number which refers to the Illustrated Parts List. Proper nomenclature is opposite the index number on the Parts List page.

3. Parts used on only one part number mask assembly (see IPL figure 1) are indicated by a letter symbol immediately following the description of a part in the "EFFECT CODE" column. An explanation of the letter symbols used is outlined preceding each breakdown. In cases when the "EFFECT CODE" column has been left blank, parts listed are common to all assemblies in the particular breakdown.

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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
A20728-18-105		2	-41	1
A8006		7	48	1
C0-219-6		7	38	1
C56767-056M-105		8	16	1
GP2-125 X 750-12		5	9	1
MS9068-024		6	5	1
PJ-068		7	33	1
		7	45	1
RS-84		7	43	1
		7	72	1
10001012		7	48A	1
10001013		7	48B	1
10002467		3	29A	1
1001		7	40	1
10100A		2	2	1
		3	- 1	RF
		8	45	1
10100B		2	- 3	1
		3	- 2	RF
		8	-46	1
10100B6F11		1	-10	1
10100B6F7		1	- 9	1
10100B6X11		1	- 8	1
10100B6X7		1	7	1
10100C		2	- 4	1
		3	- 3	RF
		8	-47	1
10100D		2	- 5	1
		3	- 4	RF
		8	-48	1
10100 SERIES		2	- 1	RF
10101-00		3	45	1
10102-01		3	30	1
10104-07		2	28	1
10106-00		3	29	1
10107A		3	24	1
10108-00		3	25	2
10109-00		2	25	1
		8	13	1
10112-00		3	13	1
10113-00		3	44	1
10116-00		3	14	1
10117-00		2	42	1
		7	- 1	RF
10117-01		2	-47	1
		7	- 2	RF
10123-00		2	-46	1
		7	- 8	RF

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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
10125-00		7	-17	1
10125-02		7	-19	1
10129-00		7	-28	1
10141-00		3	42	6
		3	43	5
10142-00		7	20	1
10142-01		7	-21	1
10143-00		7	22	1
10143-01		7	-23	1
10144-00		7	24	2
10144-02		7	-26	2
10148-01		8	23	1
10152-00		8	22	1
10153-00		8	21	1
10158-00		8	-17	1
10172-00		8	29	1
10176-00		7	16	1
10312-00		8	28	1
10315-00		8	34	1
10800A		8	- 2	1
10800B		8	- 3	1
10800C		8	- 4	1
10800D		8	- 5	1
10800 SERIES		8	- 1	RF
1251-103		7	52	1
1251-44		7	55	1
13870-00		3	19	1
		8	44	1
15691-07		2	21	1
		8	15	1
17055-00		3	-12B	1
17099-00		3	-12D	1
2-210CMP SN7505		5	8	1
27440-01		3	23	1
2827-29		7	27	1
28955-01		2	14	1
320733		7	41	2
		7	66	8
50003-00		2	20	AR
		8	14	AR
5100-87ZD		5	6	1
55B3509		2	-31A	1
59454-01		3	23A	1
600121-00		3	-12C	1
600121-10		3	-12A	1

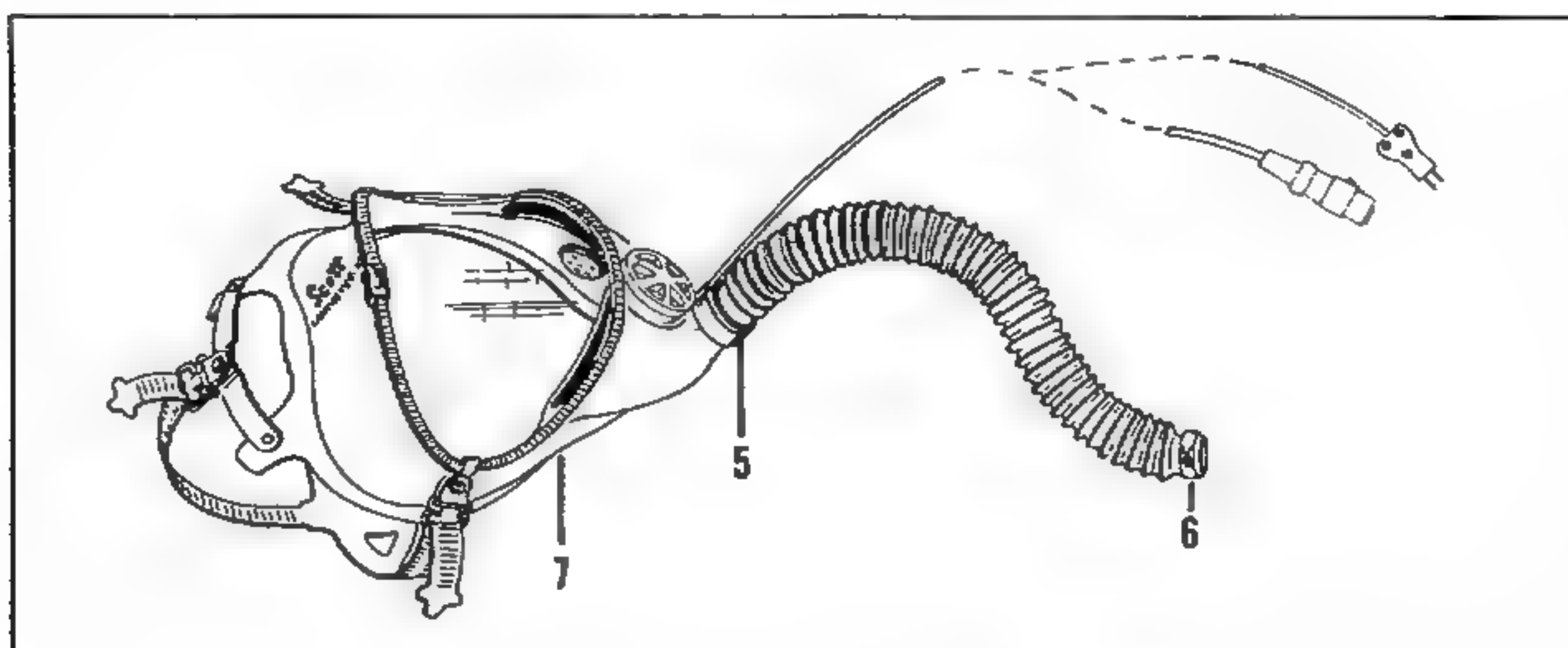
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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
60062-00		2	16	1
		4	- 1	RF
		4	6	1
		4	- 7	1
6207-00		2	24	1
6210-00		2	29	1
		5	- 1	RF
6210-01		2	-31	1
		5	- 2	RF
6212-00		5	4	1
6213-00		5	10	1
6213-01		5	11	1
6237-00		4	5	1
6242-42		2	-17	1
		4	- 2	RF
6242-48		2	-18	1
		4	- 3	RF
6249-00		2	26	1
6249-01		2	-27	1
6391-02		2	-27A	1
		4	4	1
6849-1		1	- 1	RF
6849-5		1	- 2	RF
6849-7		1	- 3	RF
6849-9		1	- 4	RF
6852		1	5	1
7003-00		6	6	1
7009-00		7	3	1
7018-00		6	7	1
7019-00		6	10	1
7020-00		6	8	1
7021-00		6	2	1
7023-00		6	9	1
7024-00		7	11	1
7025-00		2	33	1
		6	- 1	RF
7026-00		6	4	1
801430-00		3	39	3
		3	40	4
801430-01		3	41	2
8141-00		1	40	1
		2	6	1

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6849 Series Mask Assembly
Figure 1

Parts used on only one part number mask assembly (see IPL figure 1) are indicated by a letter symbol immediately following the description of a part in the "EFFECT CODE" column. An explanation of the letter symbols used is outlined below. In cases when the "EFFECT CODE" column has been left blank, parts listed are common to all mask assemblies.

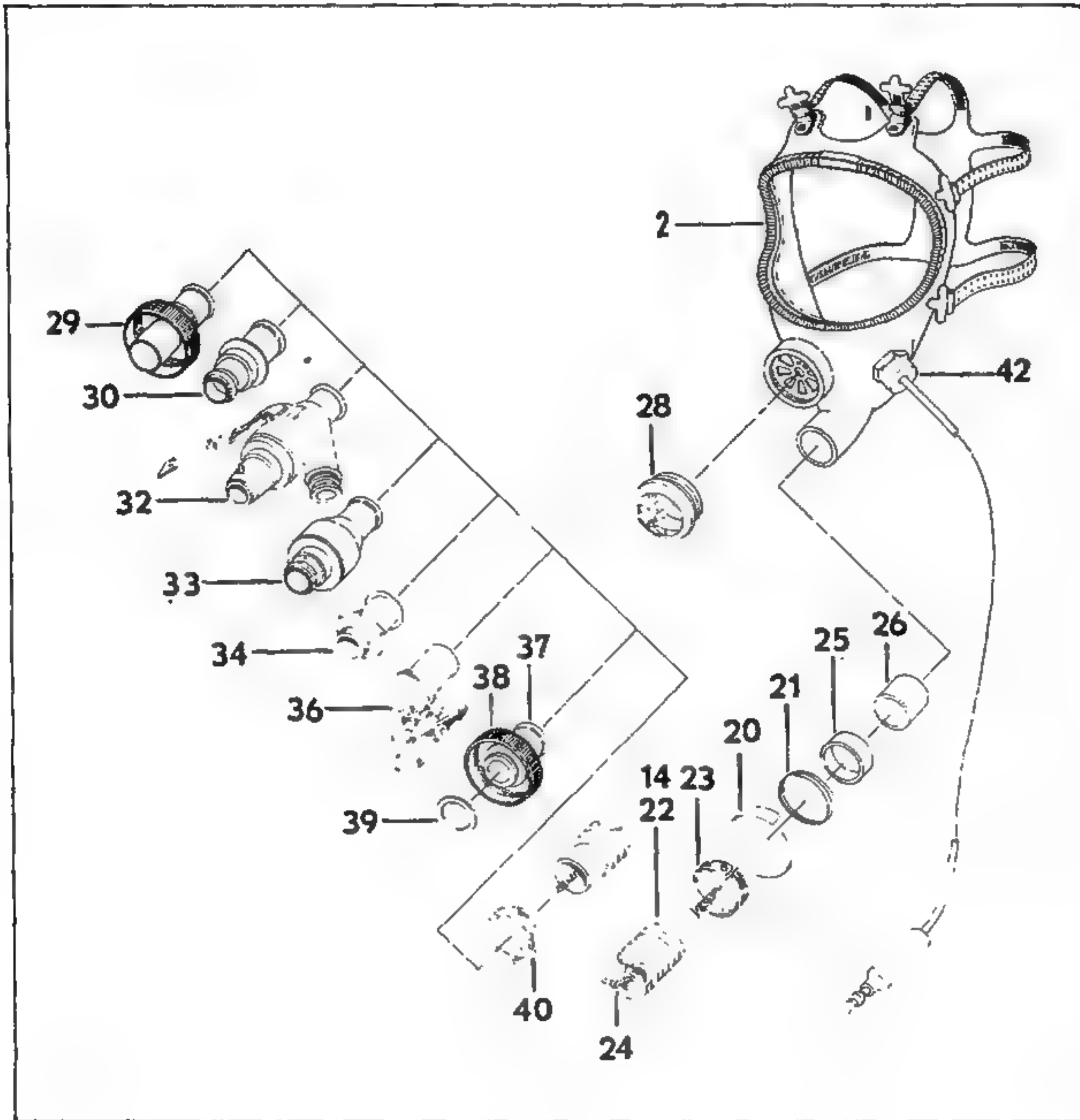
<u>PART NUMBER</u>	<u>EFFECT CODE</u>
6849-1	A
6849-5	B
6849-7	C
6849-9	D

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1234567	EFF CODE	UNITS PER ASSY
1- 1	6849-1		MASK ASSEMBLY	A	RF
- 2	6849-5		MASK ASSEMBLY	B	RF
- 3	6849-7		MASK ASSEMBLY	C	RF
- 4	6849-9		MASK ASSEMBLY	D	RF
5	6852-00		.TAG-IDENTIFICATION		1
6	8141-00		.CLAMP	CD	1
7	*10100B6X7		.MASK ASSEMBLY	C	1
- 8	*10100B6X11		.MASK ASSEMBLY	D	1
- 9	*10100B6F7		.MASK ASSEMBLY	B	1
-10	*10100B6F11		.MASK ASSEMBLY	A	1
*SEE IPL FIGURES 2 THROUGH 7 FOR BREAKDOWN OF 10100B MASK ASSEMBLY.					

- ITEM NOT ILLUSTRATED

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Scottoramic Mask Assembly
Figure 2

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1234567	EFF CODE	UNITS PER ASSY	
2- 1	10100 SERIES		SCOTTORAMIC MASK ASSEMBLY (SEE FIGURES 2 THROUGH 7)		RF	
2	10100A		.MASK FACEPIECE SUBASSY (SEE IPL FIG.3 FOR BREAKDOWN)		1	R
- 3	10100B		.MASK FACEPIECE SUBASSY (SEE IPL FIG.3 FOR BREAKDOWN)		1	R
- 4	10100C		.MASK FACEPIECE SUBASSY (SEE IPL FIG.3 FOR BREAKDOWN)		1	R
- 5	10100D		.MASK FACEPIECE SUBASSY (SEE IPL FIG.3 FOR BREAKDOWN)		1	R
- 6	DELETED					R
- 7	DELETED					R
- 8	DELETED					R
- 9	DELETED					R
-10	DELETED					R
-11	DELETED					R
-12	DELETED					R
-13	DELETED					R
14	28955-01		.TUBE-BREATHING		1	
-15	DELETED					R
16	60062-00		.TUBE ASSY-BREATHING (SEE IPL FIGURE 4 FOR BREAKDOWN)		1	R
-17	6242-42		.TUBE ASSY-BREATHING (SEE IPL FIGURE 4 FOR BREAKDOWN)		1	
-18	6242-48		.TUBE ASSY-BREATHING (SEE IPL FIGURE 4 FOR BREAKDOWN)		1	
-19	DELETED		(ATTACHING PARTS)			R
20	50003-00		.TAPE-CLOTH		AR	R
21	15691-07		.TIE-BAG -----*		1	R
22	DELETED					R
23	DELETED					R
24	6207-00		.SPRING (SEE FIGURE 3)		1	
25	10109-00		.BAND-RUBBER (SEE FIGURE 2)		1	
26	6249-00		.SLEEVE-BREATHING TUBE (SEE FIGURE 3)		1	
-27	6249-01		.SLEEVE-BREATHING TUBE (SEE FIGURE 3)		1	

- ITEM NOT ILLUSTRATED

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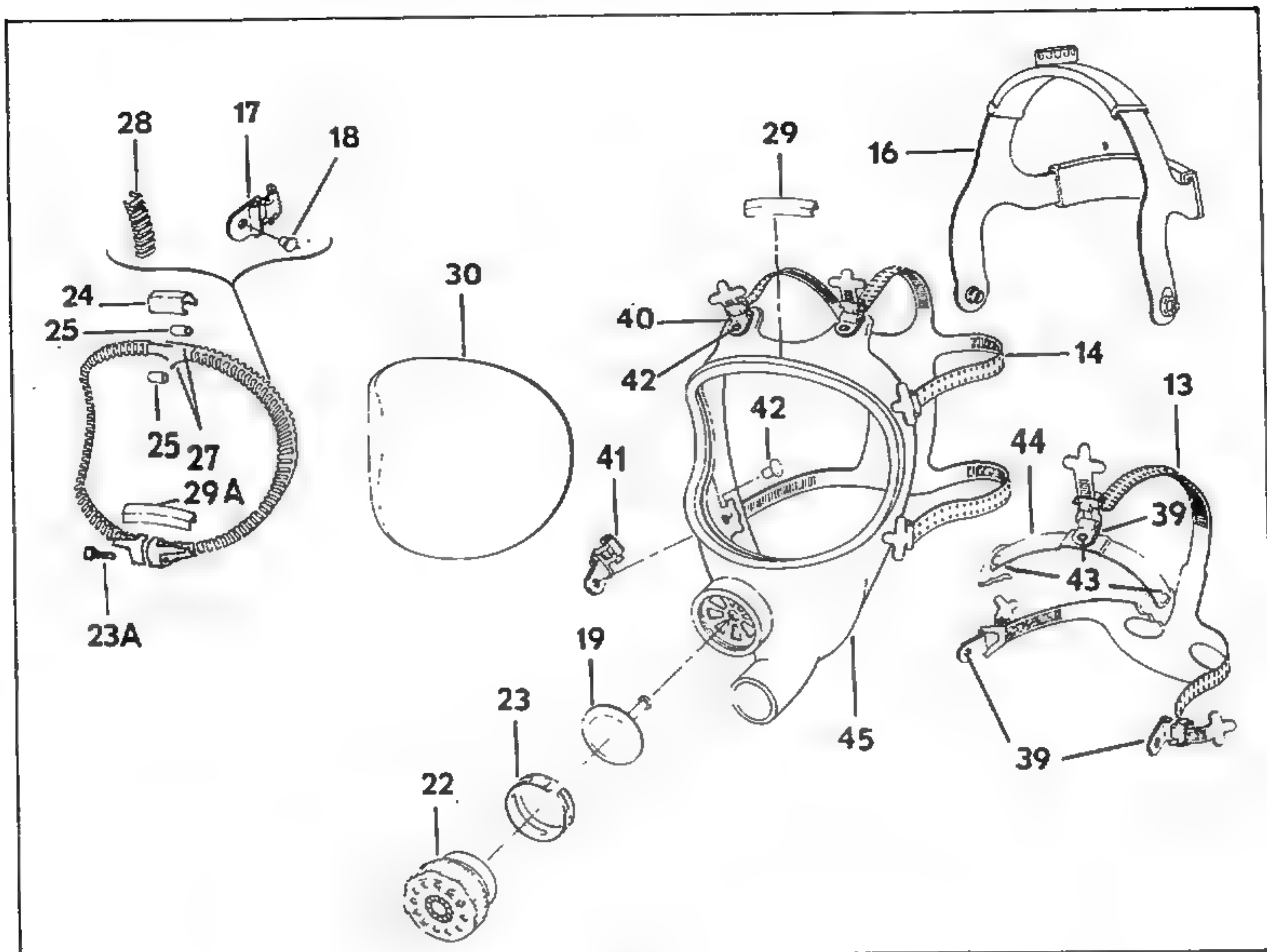
FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1234567	EFF CODE	UNITS PER ASSY	
2-27A	6391-02		.SLEEVE-BREATHING TUBE (SEE FIGURE 3)		1	R
28	10104-07		.GUARD-EXHALATION VALVE (SEE FIGURE 2)		1	
29	6210-00		.COUPLING ASSY (SEE IPL FIGURE 5 FOR BREAKDOWN)		1	
30	DELETED					R
-31	6210-01		.COUPLING ASSY (SEE IPL FIGURE 5 FOR BREAKDOWN)		1	
-31A	55B3509		.CONNECTOR ASSY-AN (SEE FIGURE 4)		1	R
32	DELETED					R
33	7025-00		.CONNECTOR-WARNING-TYPE (SEE IPL FIGURE 6 FOR BREAKDOWN)		1	
34	DELETED					R
35	DELETED					R
36	DELETED					R
37	DELETED					R
38	DELETED					R
39	DELETED					R
40	8141-00		.CLAMP (SEE FIGURE 4)		1	
-41	A20728-18-105		.CLAMP (V78553)(SEE FIG. 4)		1	
42	10117-00		.MICROPHONE ASSY KIT (SEE IPL FIGURE 7 FOR BREAKDOWN)		1	
-43	DELETED					R
-44	DELETED					R
-45	DELETED					R
-46	10123-00		.MICROPHONE ASSY KIT (SEE IPL FIGURE 7 FOR BREAKDOWN)		1	
-47	10117-01		.MICROPHONE ASSY KIT (SEE IPL FIGURE 7 FOR BREAKDOWN)		1	
-48	DELETED					R
-49	DELETED					R
-50	DELETED					R
-51	DELETED					R
-52	DELETED					R
-53	DELETED					R
-54	DELETED					R

- ITEM NOT ILLUSTRATED

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Mask Facepiece Subassembly
Figure 3

Parts used on only one part number mask facepiece assembly (see IPL figure 3) are indicated by a letter symbol immediately following the description of a part in the "EFFECT CODE" column. An explanation of the letter symbols used is outlined below. In cases when the "EFFECT CODE" column has been left blank, parts listed are common to all mask assemblies.

<u>PART NUMBER</u>	<u>EFFECT CODE</u>
10100A	A
10100B	B
10100C	C
10100D	D

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1234567	EFF CODE	UNITS PER ASSY	
3- 1	10100A		MASK FACEPIECE SUBASSY	A	RF	R
- 2	10100B		MASK FACEPIECE SUBASSY	B	RF	R
- 3	10100C		MASK FACEPIECE SUBASSY	C	RF	R
- 4	10100D		MASK FACEPIECE SUBASSY	D	RF	R
- 5	DELETED					R
- 6	DELETED					R
- 7	DELETED					R
- 8	DELETED					R
- 9	DELETED					R
-10	DELETED					R
-11	DELETED					R
-12	DELETED					R
-12A	600121-10		.FACEPIECE ASSEMBLY	A	1	R
-12B	17055-00		.FACEPIECE ASSEMBLY	B	1	R
-12C	600121-00		.FACEPIECE ASSEMBLY	C	1	R
-12D	17099-00		.FACEPIECE ASSEMBLY	D	1	R
13	10112-00		..HARNESS-HEAD	AB	1	
14	10116-00		..HARNESS-HEAD	CD	1	
-15	DELETED					R
16	DELETED					R
17	DELETED					R
18	DELETED					R
19	13870-00		..VALVE-EXHALATION		1	R
-20	DELETED					R
-21	DELETED					R
22	DELETED					R
23	27440-01		..FRAME ASSY-REPLACEABLE		1	R
23A	59454-01		...SCREW-CAP		1	
24	10107A		..CLIP-LENS FRAME		1	
25	10108-00		..CONNECTOR		2	
-26	DELETED					R
27	DELETED					R
28	DELETED					R
29	10106-00		..FILLER-LENS FRAME		1	
29A	10002467		..FILLER-LENS FRAME		1	R
30	10102-01		..LENS-MASK		1	
31	DELETED					R
32	DELETED					R
33	DELETED					R
34	DELETED					R
35	DELETED					R
36	DELETED					R
-37	DELETED					R
-38	DELETED					R

- ITEM NOT ILLUSTRATED

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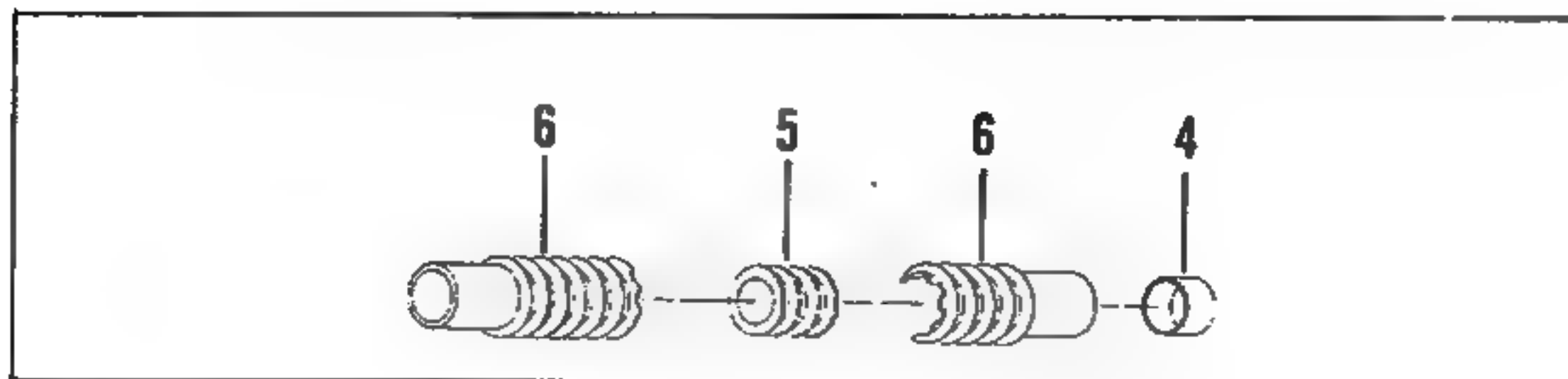
FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1234567	EFF CODE	UNITS PER ASSY	
3 39	801430-00		..BUCKLE ASSEMBLY	AB	3	R
40	801430-00		..BUCKLE ASSEMBLY	CD	4	R
41	801430-01		..BUCKLE ASSEMBLY WITH DEE RING (ATTACHING PARTS)	CD	2	
42	10141-00		..RIVET	CD	6	
43	10141-00		..RIVET -----*	AB	5	
44	10113-00		..BRIDGE-FOREHEAD	AB	1	
45	10101-00		..MASK FACEPIECE		1	
-46	DELETED					R
-47	DELETED					R
-48	DELETED					R
-49	DELETED					R

- ITEM NOT ILLUSTRATED

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Breathing Tube Assembly
Figure 4

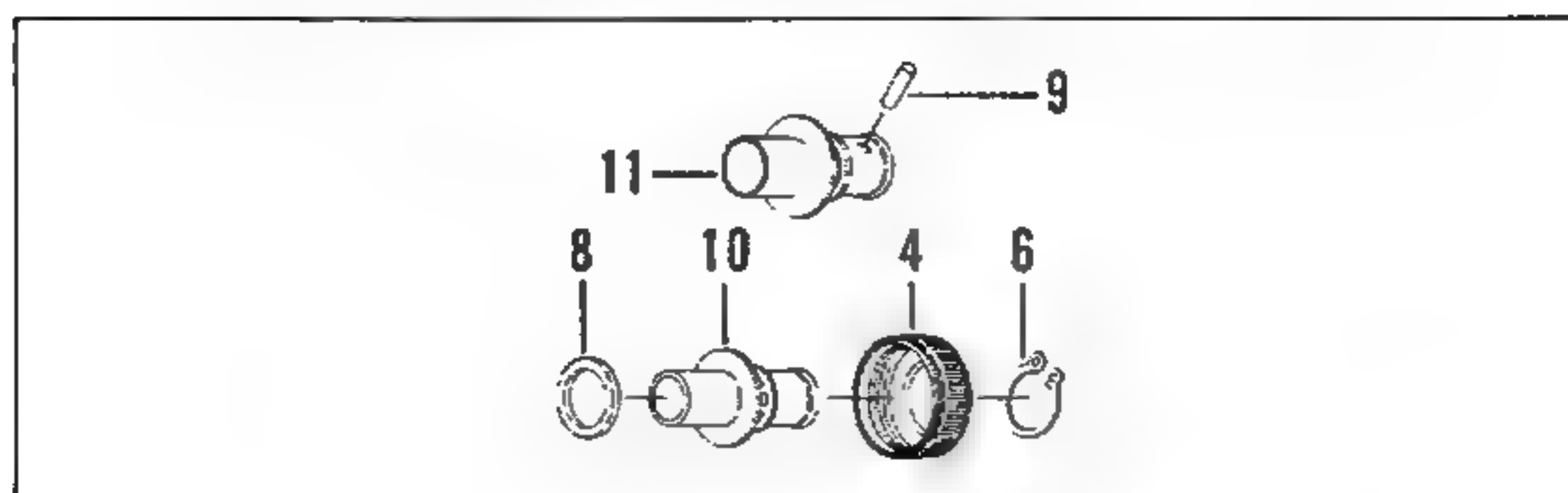
Parts used on only one part number breathing tube assembly (see IPL figure 4) are indicated by a letter symbol immediately following the description of a part in the "EFFECT CODE" column. An explanation of the letter symbols used is outlined below. In cases when the "EFFECT CODE" column has been left blank, parts listed are common to all breathing tube assemblies.

<u>PART NUMBER</u>	<u>EFFECT CODE</u>
60062-00	A
6242-42	B
6242-48	C

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1234567	EFF CODE	UNITS PER ASSY	
4- 1	60062-00		TUBE ASSY-BREATHING (SEE IPL FIGURE 2, ITEM 16 FOR NHA)	A	RF	R
- 2	6242-42		TUBE ASSY-BREATHING (SEE IPL FIGURE 2, ITEM 17 FOR NHA)	B	RF	
- 3	6242-48		TUBE ASSY-BREATHING (SEE IPL FIGURE 2, ITEM 18 FOR NHA)	C	RF	
4	6391-02		.SLEEVE	A	1	
5	6237-00		.SLEEVE-BREATHING TUBE	BC	1	
6	60062-00		.TUBE-BREATHING		1	R
- 7	60062-00		.TUBE-BREATHING	BC	1	R

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Coupling Assembly
Figure 5

Parts used on only one part number coupling assembly (see IPL figure 5) are indicated by a letter symbol immediately following the description of a part in the "EFFECT CODE" column. An explanation of the letter symbols used is outlined below. In cases when the "EFFECT CODE" column has been left blank, parts listed are common to all coupling assemblies.

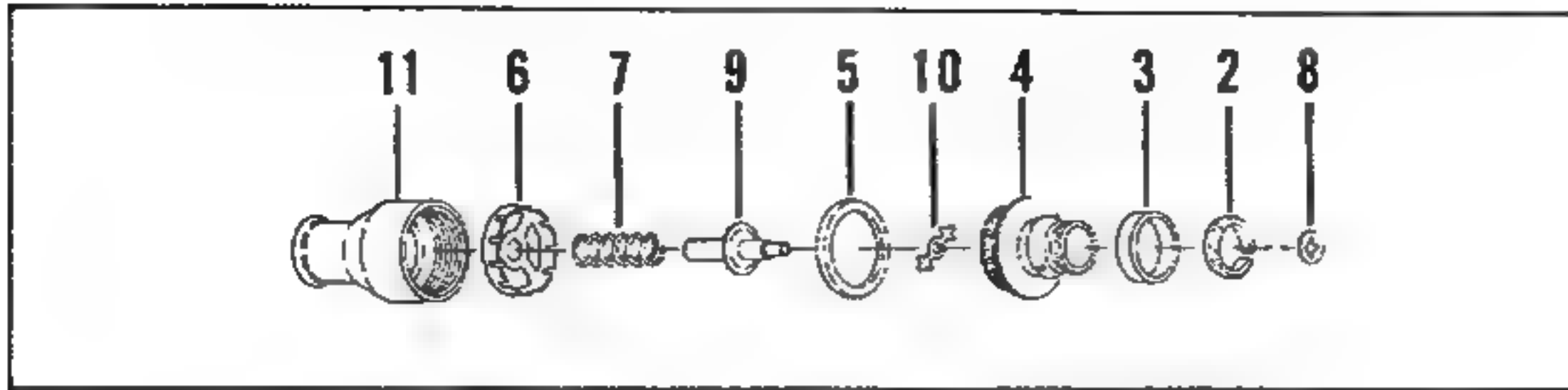
PART NUMBER	EFFECT CODE
6210	A
6210-1	B
6210-3	C

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1234567	EFF CODE	UNITS PER ASSY	
5- 1	6210-00		COUPLING ASSY-BREATHING TUBE (SEE IPL FIGURE 2, ITEM 29 FOR NHA)	A	RF	
- 2	6210-01		COUPLING ASSY-BREATHING TUBE (SEE IPL FIGURE 2, ITEM 31 FOR NHA)	B	RF	
- 3	DELETED					R
4	6212-00		.NUT-COUPLING		1	R
- 5	DELETED					R
6	5100-87ZD		(ATTACHING PARTS)			R
- 7	DELETED		.RING-RETAINING (V79136)		1	R
8	2-210CMPSN 7507		-----*----- .PACKING-PREFORMED (V25184)		1	
9	GP2-125 X 750-12		.PIN (V73957)	B	1	
10	6213-00		.NIPPLE-COUPLING	A	1	
11	6213-01		.NIPPLE-COUPLING	B	1	
-12	DELETED					R

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Warning Type Connector
Figure 6

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1234567	EFF CODE	UNITS PER ASSY
6- 1	7025-00		CONNECTOR-WARNING-TYPE (SEE IPL FIGURE 2, ITEM 33 FOR NHA)		RF
2	7021-00		.RING		1
3	7009-00		.GASKET		1
4	7026-00		.ADAPTER-MALE CONN		1
5	MS9068-024		.PACKING-PREFORMED		1
6	7003-00		.SUPPORT-RESTRICTOR		1
7	7018-00		.SPRING-RESTRICTOR		1
8	7020-00		.FASTENER		1
9	7023-00		.RESTRICTOR-PLUG-IN		1
10	7019-00		.ACTUATOR-CONNECTOR		1
11	7024-00		.BODY-PLUG-IN		1

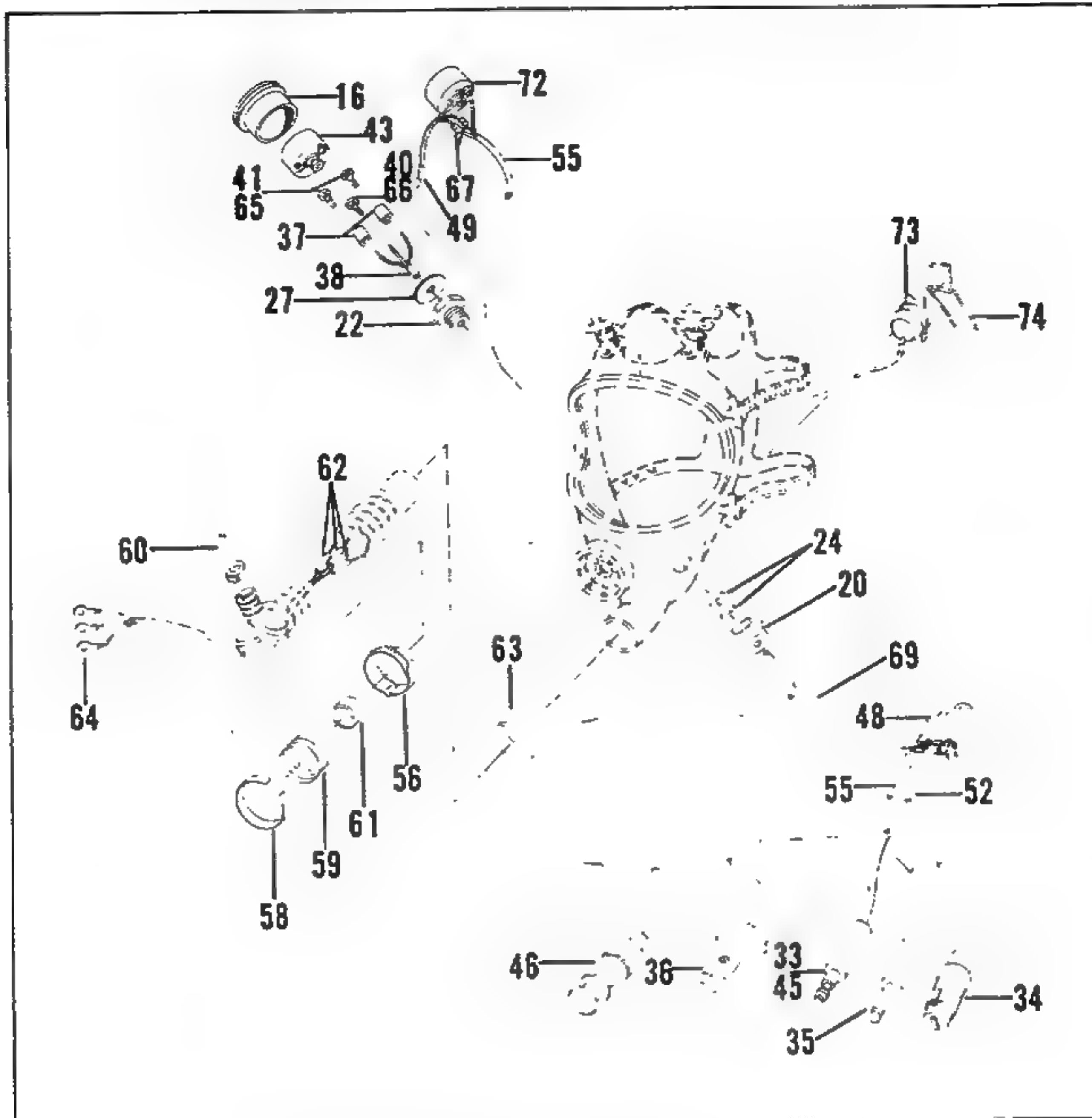
R

- ITEM NOT ILLUSTRATED

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Microphone Assembly Kit
Figure 7

Parts used on only one part number microphone assembly kit (see IPL figure 7) are indicated by a letter symbol immediately following the description of a part in the "EFFECT CODE" column. An explanation of the letter symbols used is outlined below. In cases when the "EFFECT CODE" column has been left blank, parts listed are common to all microphone assembly kits.

<u>PART NUMBER</u>	<u>EFFECT CODE</u>
10117-00	A
10117-01	B
10123-00	C



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FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1234567	EFF CODE	UNITS PER ASSY	
7- 1	10117-00		MICROPHONE ASSY KIT (SEE IPL FIGURE 2, ITEM 42 FOR NHA)	A	RF	
- 2	10117-01		MICROPHONE ASSY KIT (SEE IPL FIGURE 2, ITEM 47 FOR NHA)	B	RF	
- 3	DELETED					R
- 4	DELETED					R
- 5	DELETED					R
- 6	DELETED					R
- 7	DELETED					R
- 8	10123-00		MICROPHONE ASSY KIT (SEE IPL FIGURE 2, ITEM 46 FOR NHA)	C	RF	
- 9	DELETED					R
-10	DELETED					R
-11	DELETED					R
-12	DELETED					R
-13	DELETED					R
-14	DELETED					R
-15	DELETED					R
16	10176-00		.HOUSING-MICROPHONE		1	
-17	10125-00		.BUSHING-INSTALLATION	AB	1	
-18	DELETED					R
-19	10125-02		.BUSHING-INSTALLATION	C	1	
20	10142-00		..BUSHING-OUTSIDE	AB	1	
-21	10142-01		..BUSHING-OUTSIDE	C	1	
22	10143-00		..BUSHING-INSIDE	AB	1	
-23	10143-01		..BUSHING-INSIDE	C	1	
24	10144-00		..GASKET	AB	2	
-25	DELETED					R
-26	10144-02		..GASKET	C	2	
27	2827-29		.GASKET		1	
-28	10129-00		.MICROPHONE ASSEMBLY	A	1	
-29	DELETED					R
-30	DELETED					R
-31	DELETED					R
-32	DELETED					R
33	PJ-068		..PLUG (V78711)	A	1	
34	DELETED					R
35	DELETED					R
36	DELETED					R
37	DELETED					R
38	CO-219-6		..CABLE - 6 FT LG (V78711)	A	1	
-39	DELETED					R
40	1001		..TERMINAL (V77147)	A	1	
41	320733		..TERMINAL (00779)	A	2	

- ITEM NOT ILLUSTRATED

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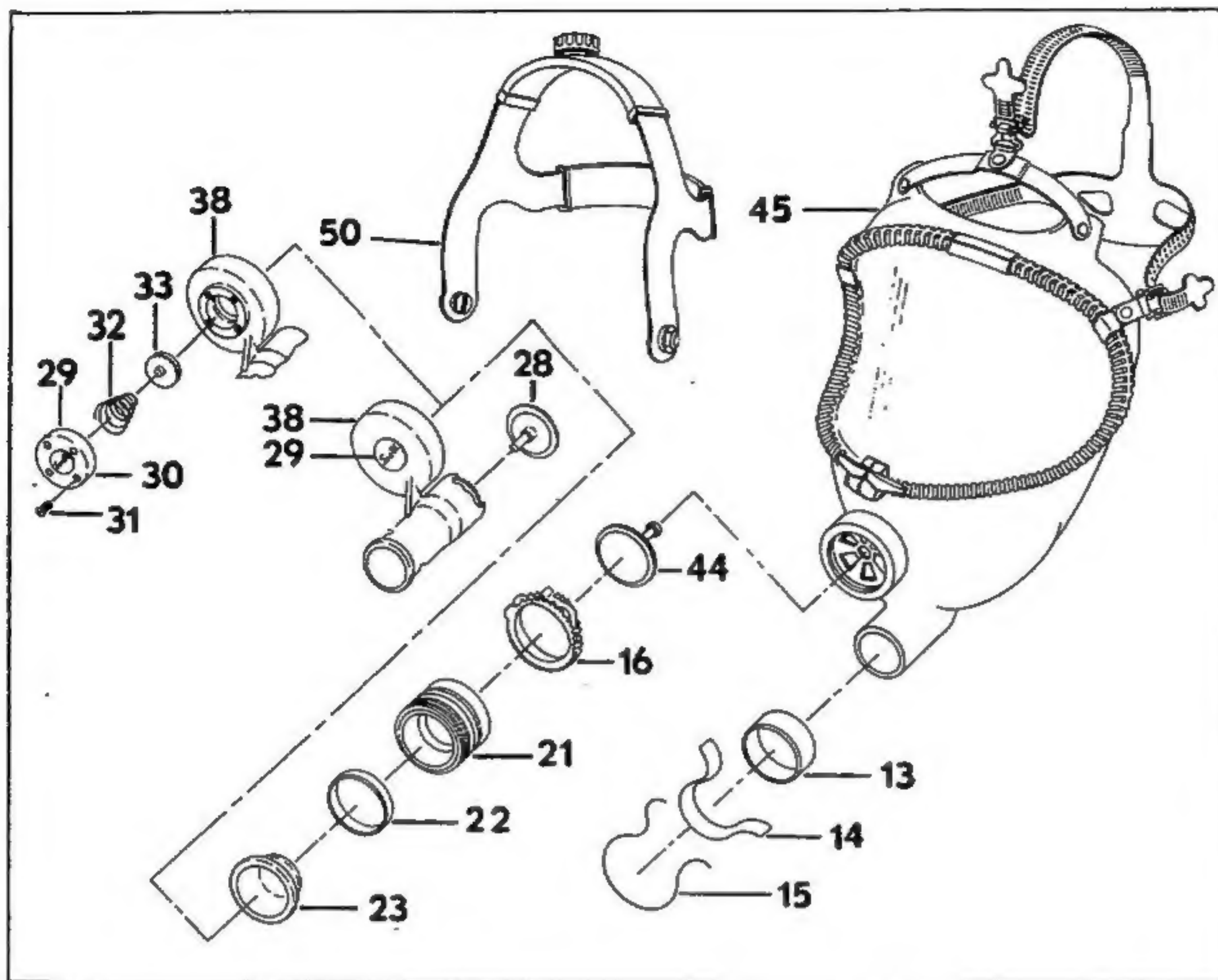
FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1234567	EFF CODE	UNITS PER ASSY	
7-42	DELETED					
43	RS-84		.MICROPHONE (V78711)	A	1	R
-44	DELETED					
45	PJ-068		.PLUG (V78711)	C	1	
46	DELETED					
47	DELETED					
48	A8006		.SWITCH (NUT AND LOCK WASHER SUPPLIED (V81640)	C	1	R
48A	10001012		.HOUSING-SWITCH	C	1	R
48B	10001013		.CAP-HOUSING	C	1	
49	DELETED					R
-50	DELETED					R
-51	DELETED					R
52	1251-103		.WIRE - 3 COND X 103 IN.LG (V92194)	C	1	
-53	DELETED					R
-54	DELETED					R
55	1251-44		.WIRE - 3 COND X 44 IN.LG (V92194)		1	
56	DELETED					R
-57	DELETED					R
58	DELETED					R
59	DELETED					R
60	DELETED					R
61	DELETED					R
62	DELETED					R
63	DELETED					R
64	DELETED					R
65	DELETED					R
66	320733		.TERMINAL (V00779)	C	8	R
67	DELETED					R
68	DELETED					R
69	DELETED					R
-70	DELETED					R
-71	DELETED					R
72	RS-84		.MICROPHONE (V78711)	C	1	
73	DELETED					R
74	DELETED					R

- ITEM NOT ILLUSTRATED

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Scottoramic Pressure-Demand Mask Assembly
Figure 8

Parts used on only one part number mask assembly (see IPL figure 8) are indicated by a letter symbol immediately following the description of a part in the "EFFECT CODE" column. An explanation of the letter symbols used is outlined below. In cases when the "EFFECT CODE" column has been left blank, parts listed are common to all mask assemblies.

<u>PART NUMBER</u>	<u>EFFECT CODE</u>
10800A	A
10800B	B
10800C	C
10800D	D

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1234567	EFF CODE	UNITS PER ASSY	
8- 1	10800 SERIES		MASK ASSY-SCOTTORAMIC- PRESSURE-DEMAND		RF	
- 2	10800A		.MASK-SCOTTORAMIC- PRESSURE-DEMAND	A	1	
- 3	10800B		.MASK-SCOTTORAMIC- PRESSURE-DEMAND	B	1	
- 4	10800C		.MASK-SCOTTORAMIC- PRESSURE-DEMAND	C	1	
- 5	10800D		.MASK-SCOTTORAMIC- PRESSURE-DEMAND	D	1	
- 6	DELETED					R
- 7	DELETED					R
- 8	DELETED					R
- 9	DELETED					R
-10	DELETED					R
-11	DELETED					R
-12	DELETED					R
13	10109-00		..BAND-RUBBER		1	
14	50003-00		..TAPE-CLOTH-ADHESIVE 3/4 IN. WIDE		AR	
15	15691-07		..TIE-BAG		1	
16	C56767-056M-105		..CLAMP (V78553)		1	R
-17	10158-00		..VALVE ASSEMBLY- EXHALATION		1	
-18	DELETED					R
-19	DELETED					R
-20	DELETED					R
21	10153-00		...ADAPTER		1	
22	10152-00		...WASHER		1	
23	10148-01		...DIAPHRAGM		1	
-24	DELETED					R
-25	DELETED					R
-26	DELETED					R
-27	DELETED					R
28	10312-00		...VALVE-CHECK		1	
29	10172-00		...METALCAL		1	
30	DELETED					R
31	DELETED					R
32	DELETED					R
33	DELETED					R
34	10315-00		...RETAINER SUBASSY		1	
-35	DELETED					R
-36	DELETED					R
-37	DELETED					R
-38	DELETED					R
-39	DELETED					R
-40	DELETED					R

- ITEM NOT ILLUSTRATED

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1234567	EFF CODE	UNITS PER ASSY
8-41	DELETED				
42	DELETED				
43	DELETED				
44	13870-00		..VALVE-EXHALATION		1
45	10100A		..MASK FACEPIECE SUBASSY (SEE IPL FIGURE 3 FOR BREAKDOWN)	A	1
-46	10100B		..MASK FACEPIECE SUBASSY (SEE IPL FIGURE 3 FOR BREAKDOWN)	B	1
-47	10100C		..MASK FACEPIECE SUBASSY (SEE IPL FIGURE 3 FOR BREAKDOWN)	C	1
-48	10100D		..MASK FACEPIECE SUBASSY (SEE IPL FIGURE 3 FOR BREAKDOWN)	D	1

R
R
R
R

- ITEM NOT ILLUSTRATED

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